

CALPOST Version 6.221 Level 080724

Internal Coordinate Transformations by --- COORDLIB Version: 1.99 Level: 070921

Run Title:
Cleco, Teche Power Station
BRETON WILDERNESS AREA CALPOST 2001
VISIBILITY METHOD 8

INPUT GROUP: 1 -- General run control parameters

Option to run all periods found
in the met. file(s) (METRUN) Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below
METRUN = 1 - Run all periods in CALPUFF data file(s)

Starting date: Year (ISYR) -- No default ! ISYR = 2001 !
 Month (ISMO) -- No default ! ISMO = 1 !
 Day (ISDY) -- No default ! ISDY = 1 !
Starting time: Hour (ISHR) -- No default ! ISHR = 0 !
 Minute (ISMIN) -- No default ! ISMIN = 0 !
 Second (ISSEC) -- No default ! ISSEC = 0 !

Ending date: Year (IEYR) -- No default ! IEYR = 2001 !
 Month (IEMO) -- No default ! IEMO = 12 !
 Day (IEDY) -- No default ! IEDY = 31 !
Ending time: Hour (IEHR) -- No default ! IEHR = 0 !
 Minute (IEMIN) -- No default ! IEMIN = 0 !
 Second (IESEC) -- No default ! IESEC = 0 !

(These are only used if METRUN = 0)

All times are in the base time zone of the CALPUFF simulation.
CALPUFF Dataset Version 2.1 contains the zone, but earlier versions
do not, and the zone must be specified here. The zone is the
number of hours that must be ADDED to the time to obtain UTC (or GMT).
Identify the Base Time Zone for the CALPUFF simulation
 (BTZONE) -- No default ! BTZONE = 6.0 !

Process every period of data?
 (NREP) -- Default: 1 ! NREP = 1 !
(1 = every period processed,
2 = every 2nd period processed,

5 = every 5th period processed, etc.)

Species & Concentration/Deposition Information

Species to process (ASPEC) -- No default ! ASPEC = VISIB !
(ASPEC = VISIB for visibility processing)

Layer/deposition code (ILAYER) -- Default: 1 ! ILAYER = 1 !
'1' for CALPUFF concentrations,
'-1' for dry deposition fluxes,
'-2' for wet deposition fluxes,
'-3' for wet+dry deposition fluxes.

Scaling factors of the form: -- Defaults: ! A = 0.0 !
 $X(\text{new}) = X(\text{old}) * A + B$ A = 0.0 ! B = 0.0 !
(NOT applied if A = B = 0.0) B = 0.0

Add Hourly Background Concentrations/Fluxes?
(LBACK) -- Default: F ! LBACK = F !

Source of NO₂ when ASPEC=NO₂ (above) or LVNO₂=T (Group 2) may be from CALPUFF NO₂ concentrations OR from a fraction of CALPUFF NO_x concentrations. Specify the fraction of NO_x that is treated as NO₂ either as a constant or as a table of fractions that depend on the magnitude of the NO_x concentration:

(NO₂CALC) -- Default: 1 ! NO₂CALC = 1 !
0 = Use NO₂ directly (NO₂ must be in file)
1 = Specify a single NO₂/NO_x ratio (RNO₂NO_x)
2 = Specify a table NO₂/NO_x ratios (TNO₂NO_x)
(NOTE: Scaling Factors must NOT be used with NO₂CALC=2)

Single NO₂/NO_x ratio (0.0 to 1.0) for treating some or all NO_x as NO₂, where [NO₂] = [NO_x] * RNO₂NO_x
(used only if NO₂CALC = 1)
(RNO₂NO_x) -- Default: 1.0 ! RNO₂NO_x = 1.0 !

Table of NO₂/NO_x ratios that vary with NO_x concentration. Provide 14 NO_x concentrations (ug/m³) and the corresponding NO₂/NO_x ratio, with NO_x increasing in magnitude. The ratio used for a particular NO_x concentration is interpolated from the values provided in the table. The ratio for the smallest tabulated NO_x concentration (the first) is used for all NO_x concentrations less than the smallest tabulated value, and the ratio for the largest tabulated NO_x concentration (the last) is used for all NO_x concentrations greater than the largest tabulated value.
(used only if NO₂CALC = 2)

NO_x concentration(ug / m³)
(CNOX) -- No default
! CNOX = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0,
8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0 !

NO₂/NO_x ratio for each NO_x concentration:
(TNO₂NO_x) -- No default

! TNO2NOX = 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0,
1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0 !

Source information

Option to process source contributions:

- 0 = Process only total reported contributions
- 1 = Sum all individual source contributions and process
- 2 = Run in TRACEBACK mode to identify source
contributions at a SINGLE receptor
(MSOURCE) -- Default: 0 ! MSOURCE = 0 !

Plume Model Output Processing Options

Output from models other than CALPUFF and CALGRID can be written in the CONC.DAT format and processed by CALPOST. Plume models such as AERMOD typically do not treat CALM hours, and do not include such hours in multiple-hour averages, with specific rules about how many calm hours can be removed from an average. This treatment is known as CALM PROCESSING. Calm periods are identified from wind speeds in the meteorological data file for the application, which must be identified in Input Group 0 as the single-point meteorological data file MET1DAT.

- 0 = Option is not used for CALPUFF/CALGRID output files
- 1 = Apply CALM processing procedures to multiple-hour averages
(MCALMPRO) -- Default: 0 ! MCALMPRO = 0 !

Format of Single-point Met File

- 1 = AERMOD/AERMET SURFACE file
(MET1FMT) -- Default: 1 ! MET1FMT = 1 !

Receptor information

Gridded receptors processed? (LG) -- Default: F ! LG = F !
Discrete receptors processed? (LD) -- Default: F ! LD = T !
CTSG Complex terrain receptors processed?
(LCT) -- Default: F ! LCT = F !

--Report results by DISCRETE receptor RING?
(only used when LD = T) (LDRING) -- Default: F ! LDRING = F !

--Select range of DISCRETE receptors (only used when LD = T):

Select ALL DISCRETE receptors by setting NDRECP flag to -1;
OR

Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each

- 0 = discrete receptor not processed
- 1 = discrete receptor processed

using repeated value notation to select blocks of receptors:

23*1, 15*0, 12*1

Flag for all receptors after the last one assigned is set to 0

(NDRECP) -- Default: -1

! NDRECP = 80*0, 40*1!

--Select range of GRIDDED receptors (only used when LG = T):

X index of LL corner (IBGRID) -- Default: -1 ! IBGRID = -1 !
(-1 OR 1 <= IBGRID <= NX)

Y index of LL corner (JBGRID) -- Default: -1 ! JBGRID = -1 !
(-1 OR 1 <= JBGRID <= NY)

X index of UR corner (IEGRID) -- Default: -1 ! IEGRID = -1 !
(-1 OR 1 <= IEGRID <= NX)

Y index of UR corner (JEGRID) -- Default: -1 ! JEGRID = -1 !
(-1 OR 1 <= JEGRID <= NY)

Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1

--Specific gridded receptors can also be excluded from CALPOST processing by filling a processing grid array with 0s and 1s. If the processing flag for receptor index (i,j) is 1 (ON), that receptor will be processed if it lies within the range delineated by IBGRID, JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be processed in the run. By default, all array values are set to 1 (ON).

Number of gridded receptor rows provided in Subgroup (1a) to identify specific gridded receptors to process

(NGONOFF) -- Default: 0 ! NGONOFF = 0 !

!END!

Subgroup (1a) -- Specific gridded receptors included/excluded

Specific gridded receptors are excluded from CALPOST processing by filling a processing grid array with 0s and 1s. A total of NGONOFF lines are read here. Each line corresponds to one 'row' in the sampling grid, starting with the NORTHERNMOST row that contains receptors that you wish to exclude, and finishing with row 1 to the SOUTH (no intervening rows may be skipped). Within a row, each receptor position is assigned either a 0 or 1, starting with the westernmost receptor.

0 = gridded receptor not processed

1 = gridded receptor processed

Repeated value notation may be used to select blocks of receptors:

23*1, 15*0, 12*1

Because all values are initially set to 1, any receptors north of the first row entered, or east of the last value provided in a row, remain ON.

(NGXRECP) -- Default: 1

INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)

Test visibility options specified to see
if they conform to FLAG 2008 configuration?

(MVISCHECK) -- Default: 1 ! MVISCHECK = 1 !

0 = NO checks are made

1 = Technical options must conform to FLAG 2008 visibility guidance

ASPEC = VISIB

LVNO2 = T

NO2CALC = 1

RNO2NOX = 1.0

MVISBK = 8

M8_MODE = 5

Some of the data entered for use with the FLAG 2008 configuration
are specific to the Class I area being evaluated. These values can
be checked within the CALPOST user interface when the name of the
Class I area is provided.

Name of Class I Area (used for QA purposes only)

(AREANAME) -- Default: User ! AREANAME = BRET !

Particle growth curve f(RH) for hygroscopic species

(MFRH) -- Default: 4 ! MFRH = 4 !

1 = IWAQM (1998) f(RH) curve (originally used with MVISBK=1)

2 = FLAG (2000) f(RH) tabulation

3 = EPA (2003) f(RH) tabulation

4 = IMPROVE (2006) f(RH) tabulations for sea salt, and for small and
large SULFATE and NITRATE particles;

Used in Visibility Method 8 (MVISBK = 8 with M8_MODE = 1, 2, or 3)

Maximum relative humidity (%) used in particle growth curve

(RHMAX) -- Default: 98 ! RHMAX = 95 !

Modeled species to be included in computing the light extinction

Include SULFATE? (LVSO4) -- Default: T ! LVSO4 = T !

Include NITRATE? (LVNO3) -- Default: T ! LVNO3 = T !

Include ORGANIC CARBON? (LVOC) -- Default: T ! LVOC = T !

Include COARSE PARTICLES? (LVPMC) -- Default: T ! LVPMC = T !

Include FINE PARTICLES? (LVPMF) -- Default: T ! LVPMF = T !

Include ELEMENTAL CARBON? (LVEC) -- Default: T ! LVEC = T !

Include NO2 absorption? (LVNO2) -- Default: F ! LVNO2 = T !

With Visibility Method 8 -- Default: T

FLAG (2008)

And, when ranking for TOP-N, TOP-50, and Exceedance tables,

Include BACKGROUND? (LVBK) -- Default: T ! LVBK = T !

Species name used for particulates in MODEL.DAT file

COARSE (SPECPMC) -- Default: PMC ! SPECPMC = PMC !

FINE (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m**3)

MODELED particulate species:

PM COARSE (EEMC) -- Default: 0.6 ! EEMC = 0.6 !

PM FINE (EEMF) -- Default: 1.0 ! EEMF = 1 !

BACKGROUND particulate species:

PM COARSE (EEMCBK) -- Default: 0.6 ! EEMCBK = 0.6 !

Other species:

AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4 = 3 !

AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3 = 3 !

ORGANIC CARBON (EEOC) -- Default: 4.0 ! EEOC = 4 !

SOIL (EESOIL) -- Default: 1.0 ! EESOIL = 1 !

ELEMENTAL CARBON (EEEC) -- Default: 10. ! EEEC = 10 !

NO2 GAS (EENO2) -- Default: .1755 ! EENO2 = 0.1755 !

Visibility Method 8:

AMMONIUM SULFATE (EESO4S) Set Internally (small)

AMMONIUM SULFATE (EESO4L) Set Internally (large)

AMMONIUM NITRATE (EENO3S) Set Internally (small)

AMMONIUM NITRATE (EENO3L) Set Internally (large)

ORGANIC CARBON (EEOCS) Set Internally (small)

ORGANIC CARBON (EEOCL) Set Internally (large)

SEA SALT (EESALT) Set Internally

Background Extinction Computation

Method used for the 24h-average of percent change of light extinction:

Hourly ratio of source light extinction / background light extinction

is averaged? (LAVER) -- Default: F ! LAVER = F !

Method used for background light extinction

(MVISBK) -- Default: 8 ! MVISBK = 8 !

FLAG (2008)

- 1 = Supply single light extinction and hygroscopic fraction
 - Hourly F(RH) adjustment applied to hygroscopic background and modeled sulfate and nitrate
- 2 = Background extinction from speciated PM concentrations (A)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
- 3 = Background extinction from speciated PM concentrations (B)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 4 = Read hourly transmissometer background extinction measurements
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX

- Receptor-day excluded if fewer than 6 valid receptor-hours
- 5 = Read hourly nephelometer background extinction measurements
 - Rayleigh extinction value (BEXTRAY) added to measurement
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if $RH > RH_{MAX}$
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 6 = Background extinction from speciated PM concentrations
 - FLAG (2000) monthly RH adjustment factor applied to observed and modeled sulfate and nitrate
- 7 = Use observed weather or prognostic weather information for background extinction during weather events; otherwise, use Method 2
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - F(RH) factor is capped at $F(RH_{MAX})$
 - During observed weather events, compute Bext from visual range if using an observed weather data file, or
 - During prognostic weather events, use Bext from the prognostic weather file
 - Use Method 2 for hours without a weather event
- 8 = Background extinction from speciated PM concentrations using the IMPROVE (2006) variable extinction efficiency formulation (MFRH must be set to 4)
 - Split between small and large particle concentrations of SULFATES, NITRATES, and ORGANICS is a function of concentration and different extinction efficiencies are used for each
 - Source-induced change in visibility includes the increase in extinction of the background aerosol due to the change in the extinction efficiency that now depends on total concentration.
 - Fsmall(RH) and Flarge(RH) adjustments for small and large particles are applied to observed and modeled sulfate and nitrate concentrations
 - Fsalt(RH) adjustment for sea salt is applied to background sea salt concentrations
 - F(RH) factors are capped at $F(RH_{MAX})$
 - RH for Fsmall(RH), Flarge(RH), and Fsalt(RH) may be obtained from hourly data as in Method 2 or from the FLAG monthly RH adjustment factor used for Method 6 where EPA F(RH) tabulation is used to infer RH, or monthly Fsmall, Flarge, and Fsalt RH adjustment factors can be directly entered.
 - Furthermore, a monthly RH factor may be applied to either hourly concentrations or daily concentrations to obtain the 24-hour extinction.
 - These choices are made using the M8_MODE selection.

Additional inputs used for MVISBK = 1:

 Background light extinction (1/Mm)
 (BEXTBK) -- No default ! BEXTBK = 12 !
 Percentage of particles affected by relative humidity
 (RHFRAC) -- No default ! RHFRAC = 10 !

Additional inputs used for MVISBK = 6,8:

 Extinction coefficients for hygroscopic species (modeled and background) are computed using a monthly RH adjustment factor

in place of an hourly RH factor (VISB.DAT file is NOT needed).
Enter the 12 monthly factors here (RHFAC). Month 1 is January.

(RHFAC) -- No default ! RHFAC = 3.5, 3.3, 3.3, 3.3,
3.4, 3.6, 3.8, 3.8,
3.6, 3.4, 3.4, 3.5 !

Additional inputs used for MVISBK = 7:

The weather data file (DATSAV abbreviated space-delimited) that is identified as VSRN.DAT may contain data for more than one station. Identify the stations that are needed in the order in which they will be used to obtain valid weather and visual range. The first station that contains valid data for an hour will be used. Enter up to MXWSTA (set in PARAMS file) integer station IDs of up to 6 digits each as variable IDWSTA, and enter the corresponding time zone for each, as variable TZONE (= UTC-LST).

A prognostic weather data file with Bext for weather events may be used in place of the observed weather file. Identify this as the VSRN.DAT file and use a station ID of IDWSTA = 999999, and TZONE = 0.

NOTE: TZONE identifies the time zone used in the dataset. The DATSAV abbreviated space-delimited data usually are prepared with UTC time rather than local time, so TZONE is typically set to zero.

(IDWSTA) -- No default * IDWSTA = 000000 *
(TZONE) -- No default * TZONE = 0. *

Additional inputs used for MVISBK = 2,3,6,7,8:

Background extinction coefficients are computed from monthly CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3), coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and elemental carbon (BKEC). Month 1 is January.
(ug/m**3)

(BKSO4) -- No default ! BKSO4 = 0.23, 0.23, 0.23, 0.23,
0.23, 0.23, 0.23, 0.23,
0.23, 0.23, 0.23, 0.23 !

(BKNO3) -- No default ! BKNO3 = 0.10, 0.10, 0.10, 0.10,
0.10, 0.10, 0.10, 0.10,
0.10, 0.10, 0.10, 0.10 !

(BKPMC) -- No default ! BKPMC = 3.01, 3.01, 3.01, 3.01,
3.01, 3.01, 3.01, 3.01,
3.01, 3.01, 3.01, 3.01 !

(BKOC) -- No default ! BKOC = 1.78, 1.78, 1.78, 1.78,
1.78, 1.78, 1.78, 1.78,
1.78, 1.78, 1.78, 1.78 !

(BKSOIL) -- No default ! BKSOIL = 0.48, 0.48, 0.48, 0.48,
0.48, 0.48, 0.48, 0.48,
0.48, 0.48, 0.48, 0.48 !

(BKEC) -- No default ! BKEC = 0.02, 0.02, 0.02, 0.02,
0.02, 0.02, 0.02, 0.02,
0.02, 0.02, 0.02, 0.02 !

Additional inputs used for MVISBK = 8:

Extinction coefficients for hygroscopic species (modeled and background) may be computed using hourly RH values and hourly modeled concentrations, or using monthly RH values inferred from the RHFAC adjustment factors and either hourly or daily modeled concentrations, or using monthly RHFSML, RHFLRG, and RHFSEA adjustment factors and either hourly or daily modeled concentrations.

(M8_MODE) -- Default: 5 ! M8_MODE= 5 !
FLAG (2008)

- 1 = Use hourly RH values from VISB.DAT file with hourly modeled and monthly background concentrations.
- 2 = Use monthly RH from monthly RHFAC and EPA (2003) f(RH) tabulation with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 3 = Use monthly RH from monthly RHFAC with EPA (2003) f(RH) tabulation with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 4 = Use monthly RHFSML, RHFLRG, and RHFSEA with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 5 = Use monthly RHFSML, RHFLRG, and RHFSEA with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).

Background extinction coefficients are computed from monthly CONCENTRATIONS of sea salt (BKSALT). Month 1 is January. (ug/m**3)

(BKSALT) -- No default ! BKSALT= 0.19, 0.19, 0.19, 0.19,
0.19, 0.19, 0.19, 0.19,
0.19, 0.19, 0.19, 0.19 !

Extinction coefficients for hygroscopic species (modeled and background) can be computed using monthly RH adjustment factors in place of an hourly RH factor (VISB.DAT file is NOT needed). Enter the 12 monthly factors here (RHFSML,RHFLRG,RHFSEA). Month 1 is January. (Used if M8_MODE = 4 or 5)

Small ammonium sulfate and ammonium nitrate particle sizes (RHFSML) -- No default ! RHFSML= 4.08, 3.82, 3.79, 3.74,
3.94, 4.12, 4.41, 4.37,
4.18, 3.92, 3.93, 4.06 !

Large ammonium sulfate and ammonium nitrate particle sizes (RHFLRG) -- No default ! RHFLRG= 2.91, 2.76, 2.74, 2.72,
2.83, 2.94, 3.10, 3.07,
2.97, 2.82, 2.83, 2.90 !

Sea salt particles (RHFSEA) -- No default ! RHFSEA= 4.10, 3.89, 3.87, 3.85,
4.02, 4.21, 4.44, 4.38,

4.23, 3.99, 4.01, 4.11 !

Additional inputs used for MVISBK = 2,3,5,6,7,8:

Extinction due to Rayleigh scattering is added (1/Mm)
(BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11 !

!END!

INPUT GROUP: 3 -- Output options

Documentation

Documentation records contained in the header of the
CALPUFF output file may be written to the list file.
Print documentation image?
(LDOC) -- Default: F ! LDOC = F !

Output Units

Units for All Output (IPRTU) -- Default: 1 ! IPRTU = 3 !
for for
Concentration Deposition
1 = g/m**3 g/m**2/s
2 = mg/m**3 mg/m**2/s
3 = ug/m**3 ug/m**2/s
4 = ng/m**3 ng/m**2/s
5 = Odour Units

Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)

Averaging time(s) reported

1-pd averages (L1PD) -- Default: T ! L1PD = F !
(pd = averaging period of model output)

1-hr averages (L1HR) -- Default: T ! L1HR = F !

3-hr averages (L3HR) -- Default: T ! L3HR = F !

24-hr averages (L24HR) -- Default: T ! L24HR = T !

Run-length averages (LRUNL) -- Default: T ! LRUNL = F !

User-specified averaging time in hours, minutes, seconds
- results for this averaging time are reported if it is not zero

(NAVGH) -- Default: 0 ! NAVGH = 0 !
(NAVGM) -- Default: 0 ! NAVGM = 0 !
(NAVGS) -- Default: 0 ! NAVGS = 0 !

Types of tabulations reported

- 1) Visibility: daily visibility tabulations are always reported for the selected receptors when ASPEC = VISIB. In addition, any of the other tabulations listed below may be chosen to characterize the light extinction coefficients.
[List file or Plot/Analysis File]

- 2) Top 50 table for each averaging time selected
[List file only]
(LT50) -- Default: T ! LT50 = F !

- 3) Top 'N' table for each averaging time selected
[List file or Plot file]
(LTOPN) -- Default: F ! LTOPN = F !

-- Number of 'Top-N' values at each receptor selected (NTOP must be <= 4)
(NTOP) -- Default: 4 ! NTOP = 4 !

-- Specific ranks of 'Top-N' values reported (NTOP values must be entered)
(ITOP(4) array) -- Default: ! ITOP = 1,2,3,4 !
1,2,3,4

- 4) Threshold exceedance counts for each receptor and each averaging time selected
[List file or Plot file]
(LEXCD) -- Default: F ! LEXCD = F !

-- Identify the threshold for each averaging time by assigning a non-negative value (output units).

-- Default: -1.0
Threshold for 1-hr averages (THRESH1) ! THRESH1 = -1.0 !
Threshold for 3-hr averages (THRESH3) ! THRESH3 = -1.0 !
Threshold for 24-hr averages (THRESH24) ! THRESH24 = -1.0 !
Threshold for NAVG-hr averages (THRESHN) ! THRESHN = -1.0 !

-- Counts for the shortest averaging period selected can be tallied daily, and receptors that experience more than NCOUNT counts over any NDAY period will be reported. This type of exceedance violation output is triggered only if NDAY > 0.

Accumulation period(Days)
(NDAY) -- Default: 0 ! NDAY = 0 !
Number of exceedances allowed
(NCOUNT) -- Default: 1 ! NCOUNT = 1 !

5) Selected day table(s)

Echo Option -- Many records are written each averaging period selected and output is grouped by day

[List file or Plot file]

(LECHO) -- Default: F ! LECHO = F !

Timeseries Option -- Averages at all selected receptors for each selected averaging period are written to timeseries files. Each file contains one averaging period, and all receptors are written to a single record each averaging time.

[TSERIES_ASPEC_ttHR_CONC_TSUNAM.DAT files]

(LTIME) -- Default: F ! LTIME = F !

Peak Value Option -- Averages at all selected receptors for each selected averaging period are screened and the peak value each period is written to timeseries files.

Each file contains one averaging period.

[PEAKVAL_ASPEC_ttHR_CONC_TSUNAM.DAT files]

(LPEAK) -- Default: F ! LPEAK = F !

-- Days selected for output

(IECHO(366)) -- Default: 366*0

! IECHO = 366*0 !

(366 values must be entered)

Plot output options

Plot files can be created for the Top-N, Exceedance, and Echo tables selected above. Two formats for these files are available, DATA and GRID. In the DATA format, results at all receptors are listed along with the receptor location [x,y,val1,val2,...]. In the GRID format, results at only gridded receptors are written, using a compact representation. The gridded values are written in rows (x varies), starting with the most southern row of the grid. The GRID format is given the .GRD extension, and includes headers compatible with the SURFER(R) plotting software.

A plotting and analysis file can also be created for the daily peak visibility summary output, in DATA format only.

Generate Plot file output in addition to writing tables to List file?

(LPLT) -- Default: F ! LPLT = F !

Use GRID format rather than DATA format, when available?

(LGRD) -- Default: F ! LGRD = F !

Auxiliary Output Files (for subsequent analyses)

Visibility

A separate output file may be requested that contains the change in visibility at each selected receptor when ASPEC = VISIB. This file can be processed to construct visibility measures that are not available in CALPOST.

Output file with the visibility change at each receptor?
(MDVIS) -- Default: 0 ! MDVIS = 1 !

- 0 = Do Not create file
- 1 = Create file of DAILY (24 hour) Delta-Deciview
- 2 = Create file of DAILY (24 hour) Extinction Change (%)
- 3 = Create file of HOURLY Delta-Deciview
- 4 = Create file of HOURLY Extinction Change (%)

Additional Debug Output

Output selected information to List file
for debugging?
(LDEBUG) -- Default: F ! LDEBUG = F !

Output hourly extinction information to REPORT.HRV?
(Visibility Method 7)
(LVEXTHR) -- Default: F ! LVEXTHR = F !

!END!

NOTICE: Starting year in control file sets the
expected century for the simulation. All
YY years are converted to YYYY years in
the range: 1951 2050

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CALPOST Control File Input Summary -----

Replace run data with data in Puff file 1=Y: 1
Run starting date -- year: 2001
 month: 1
 day: 1
 Julian day: 0
Time at start of run - hour(0-23): 0
 - minute: 0
 - second: 0

Extinction Computation includes:

SULFATES

NITRATES

NO2 GAS

Fraction CALPUFF NOx used as NO2 : 1.000

ORGANIC CARBON

ELEMENTAL CARBON

COARSE PARTICLES

FINE PARTICLES

BACKGROUND

Particle f(RH) growth curve(s) : IMPROVE (2006) Tables

Max. RH % for particle growth (%): 95.000

Species name for modeled particulates

coarse: PMC

fine: PMF

Extinction Efficiency (1/Mm per ug/m**3)

ammonium sulfate S: 2.2000

ammonium sulfate L: 4.8000

ammonium nitrate S: 2.4000

ammonium nitrate L: 5.1000

organic carbon S: 2.8000

organic carbon L: 6.1000

sea salt: 1.7000

NO2 gas: 0.1755

soil: 1.0000

elemental carbon: 10.0000

MODELED coarse PM: 0.6000

MODELED fine PM: 1.0000

BACKGRND coarse PM: 0.6000

Background Extinction Calculation Method 8

Method 8 Mode: 5

(24-hr avg conc. with monthly F(RH) data)

Monthly RH factor for small particles:

1 .4080E+01

2 .3820E+01

3 .3790E+01

4 .3740E+01

5 .3940E+01

6 .4120E+01

7 .4410E+01

8 .4370E+01

9 .4180E+01

10 .3920E+01

11 .3930E+01

12 .4060E+01

Monthly RH factor for large particles:

1 .2910E+01

2 .2760E+01

3 .2740E+01

4 .2720E+01
 5 .2830E+01
 6 .2940E+01
 7 .3100E+01
 8 .3070E+01
 9 .2970E+01
 10 .2820E+01
 11 .2830E+01
 12 .2900E+01

Monthly RH factor for sea salt:

1 .4100E+01
 2 .3890E+01
 3 .3870E+01
 4 .3850E+01
 5 .4020E+01
 6 .4210E+01
 7 .4440E+01
 8 .4380E+01
 9 .4230E+01
 10 .3990E+01
 11 .4010E+01
 12 .4110E+01

Rayleigh scattering extinction (1/Mm): 11.00

Monthly background conc. (ug/m**3):

	(NH4)2SO4	(NH4)NO3	PM-C	OC	SOIL	EC	SEA SALT
1	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
2	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
3	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
4	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
5	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
6	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
7	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
8	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
9	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
10	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
11	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
12	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00

Optional output file for visibility 1

Create file of DAILY (24 hour) Delta-Deciview

Output options

Units requested for output: (1/Mega-m)

Averaging time(s) selected

User-specified averaging time (hr:mm:ss): 0: 0: 0

1-pd averages: F

1-hr averages: F

3-hr averages: F

24-hr averages: T
User-specified averages: F
Length of run averages: F

Output components selected

Top-50: F
Top-N values at each receptor: F
Exceedance counts at each receptor: F
Output selected information for debugging: F
Echo tables for selected days: F
Time-series for selected days: F
Peak value Time-series for selected days: F

Plot file option

Plot files created: F

MAPSPEC: Species Mapping

Number of species-levels in file : 9
Number of species-levels processed: 10

Input ID	Processing ID	Name	
1	1	SO2	1
2	2	SO4	1
3	3	NOX	1
4	4	HNO3	1
5	5	NO3	1
6	6	PMC	1
7	7	PMF	1
8	8	EC	1
9	9	SOA	1

Visibility Species

	Processing ID	Name	
sulfate	2	SO4	1
no2gas	10	NO2	1
noxgas	3	NOX	1
nitrate	5	NO3	1
specpmf	7	PMF	1
specpmc	6	PMC	1
orgcarb	9	SOA	1
lmncarb	8	EC	1

IDENTIFICATION OF PROCESSED MODEL FILE -----

CALPUFF 5.8.4 130731

CLECO, TECHE

ALM-step1

Repartitioning of NO3/HNO3

Averaging time for values reported from model:

1 HOUR

EESOIL,EEEC,EENO2 = 1.00000000 10.00000000 0.175500005
navg,ntop = 0 4
navgh,navgm,navgs = 0 0 0
itop = 1 2 3 4
L[1,3,24]HR = F F T
LNAVG, LRUNL = F F
LT50, LTOPN, LEXCD = F F F
LECHO, LTIME, LPEAK = F F F
THRESH1 = -1.00000000
THRESH3 = -1.00000000
THRESH24 = -1.00000000
THRESHN = -1.00000000
LPLT, LGRD = F F
MDVIS = 1
LDEBUG = F
LCTSG = F

CONTENTS OF HEADER OF MODEL OUTPUT FILE -----

model: CALPUFF 5.8.4 130731
msyr,mjsday = 2000 366
mshr,mssec = 23 0
nsecdt (period) = 3600
xbtz = 6.00000000
mnper,nszout,mavgpd = 8752 9 1
xorigkm,yorigkm,nssta = -951.547058 -1646.63708 0
ielmet,jelmet = 462 376
delx,dely,nz = 4.00000000 4.00000000 1
iastar,iastop,jastar,jastop = 1 462 1 376
isastr,isastp,jsastr,jsastp = 1 462 1 376
(computed) ngx,ngy = 462 376
meshdn,npts,nareas = 1 1 0
nlines,nvols = 0 0
ndrec,nctrec,LSGRID = 120 0 F

Discrete Receptors (n,x,y,z):

1 270.325867 -617.518921 365.000000
2 271.090393 -617.494019 365.000000
3 271.854797 -617.469116 368.000000
4 268.767273 -616.646362 411.000000
5 269.531677 -616.621704 462.000000
6 270.295959 -616.597046 431.000000
7 271.060364 -616.572144 518.000000
8 271.824768 -616.547241 487.000000
9 272.589050 -616.522339 396.000000
10 265.680481 -615.822632 518.000000
11 266.444763 -615.798218 523.000000
12 267.209045 -615.773682 548.000000
13 267.973328 -615.749146 579.000000
14 268.737610 -615.724487 547.000000
15 269.501892 -615.699829 538.000000
16 270.266174 -615.675049 640.000000
17 271.030334 -615.650269 608.000000
18 260.301697 -615.069458 335.000000
19 261.065857 -615.045532 431.000000
20 261.830139 -615.021606 457.000000
21 262.594299 -614.997559 414.000000

22 263.358459 -614.973511 426.000000
23 264.122742 -614.949341 426.000000
24 264.886902 -614.924927 388.000000
25 265.651062 -614.900635 388.000000
26 266.415344 -614.876343 365.000000
27 267.179504 -614.851807 386.000000
28 267.943665 -614.827271 396.000000
29 268.707825 -614.802612 426.000000
30 269.471985 -614.777954 446.000000
31 270.236267 -614.753174 441.000000
32 271.000427 -614.728394 457.000000
33 271.764587 -614.703491 465.000000
34 272.528748 -614.678589 442.000000
35 273.293030 -614.653442 426.000000
36 260.272888 -614.147583 304.000000
37 261.036926 -614.123657 304.000000
38 261.801086 -614.099731 319.000000
39 262.565247 -614.075684 334.000000
40 263.329407 -614.051636 370.000000
41 264.093567 -614.027344 405.000000
42 264.857605 -614.003052 409.000000
43 265.621765 -613.978760 450.000000
44 266.385803 -613.954346 518.000000
45 267.149963 -613.929932 609.000000
46 267.914124 -613.905396 534.000000
47 268.678162 -613.880737 517.000000
48 269.442200 -613.856079 575.000000
49 270.206360 -613.831299 600.000000
50 270.970520 -613.806519 609.000000
51 271.734558 -613.781616 609.000000
52 272.498596 -613.756714 561.000000
53 261.008118 -613.201782 335.000000
54 261.772156 -613.177856 432.000000
55 262.536194 -613.153809 487.000000
56 263.300232 -613.129639 499.000000
57 264.064270 -613.105469 514.000000
58 264.828308 -613.081177 442.000000
59 265.592346 -613.056885 439.000000
60 266.356384 -613.032471 395.000000
61 267.120422 -613.007935 400.000000
62 267.884460 -612.983521 426.000000
63 268.648499 -612.958862 487.000000
64 269.412415 -612.934204 548.000000
65 270.176453 -612.909424 548.000000
66 270.940491 -612.884644 548.000000
67 271.704529 -612.859741 535.000000
68 261.743225 -612.255981 304.000000
69 262.507141 -612.231812 334.000000
70 263.271179 -612.207764 396.000000
71 264.035095 -612.183594 457.000000
72 264.799011 -612.159302 457.000000
73 265.563049 -612.135010 426.000000
74 266.326965 -612.110596 411.000000
75 267.090881 -612.086182 406.000000
76 267.854797 -612.061646 396.000000
77 268.618713 -612.036987 401.000000

78 269.382629 -612.012329 397.000000
79 261.714294 -611.334106 322.000000
80 262.478088 -611.309937 334.000000
81 777.710144 -1118.01306 0.00000000E+00
82 779.970764 -1115.93896 0.00000000E+00
83 780.696716 -1114.93750 0.00000000E+00
84 781.422424 -1113.93604 0.00000000E+00
85 785.606995 -1106.06689 0.00000000E+00
86 789.226868 -1101.05811 0.00000000E+00
87 789.783264 -1098.19727 0.00000000E+00
88 791.229431 -1096.19348 1.00000000
89 791.145813 -1095.26416 1.00000000
90 791.784729 -1093.33289 1.00000000
91 791.700989 -1092.40356 1.00000000
92 792.339539 -1090.47253 1.00000000
93 792.255920 -1089.54321 1.00000000
94 792.172058 -1088.61401 1.00000000
95 792.088196 -1087.68494 1.00000000
96 792.004456 -1086.75574 0.00000000E+00
97 791.920715 -1085.82666 0.00000000E+00
98 791.753235 -1083.96826 0.00000000E+00
99 792.558533 -1083.89575 1.00000000
100 792.474670 -1082.96667 1.00000000
101 791.585754 -1082.11023 0.00000000E+00
102 792.390930 -1082.03760 1.00000000
103 791.502014 -1081.18127 0.00000000E+00
104 792.307068 -1081.10864 1.00000000
105 791.418152 -1080.25220 1.00000000
106 791.334412 -1079.32324 1.00000000
107 790.445862 -1078.46667 0.00000000E+00
108 791.250549 -1078.39417 1.00000000
109 790.362244 -1077.53772 0.00000000E+00
110 791.166931 -1077.46521 1.00000000
111 790.278625 -1076.60876 0.00000000E+00
112 790.194885 -1075.67993 0.00000000E+00
113 790.111267 -1074.75098 1.00000000
114 789.223206 -1073.89453 0.00000000E+00
115 789.139709 -1072.96558 0.00000000E+00
116 788.251770 -1072.10913 0.00000000E+00
117 788.168274 -1071.18030 1.00000000
118 787.280823 -1070.32373 0.00000000E+00
119 786.393372 -1069.46704 0.00000000E+00
120 785.506165 -1068.61035 0.00000000E+00

Surface Met Station UTM's (n,x,y):

Control-file POINT Sources : 1
EMARB-file POINT Sources : 0
Control-file AREA Sources : 0
EMARB-file AREA Sources : 0
Control-file LINE Sources : 0
EMARB-file LINE Sources : 0
Control-file VOLUME Sources: 0
EMARB-file VOLUME Sources : 0

Source Names

UNIT 3

 INPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.INP	5	CT_TECHE_01A_BRET.inp
MODEL.DAT	4	pu_teche_01a.flx

 OUTPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.LST	8	ct_teche_01a_bret.lst

 CALPOST Version 6.221 Level 080724

24HR VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

START TIME	Modeled Extinction by Species												
Small Large SSalt													
YEAR DAY HR RECEPTOR	COORDINATES (km)	TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)								
%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)			
2000 366 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2001 1 23 81	777.710 -1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001 2 23 81	777.710 -1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001 3 23 81	777.710 -1118.013	D	0.124	23.376	23.501	0.53	0.036	0.085	0.000	0.000	0.000	0.000	0.000
0.001	0.000	0.001	0.000	4.080	2.910	4.100							
2001 4 23 81	777.710 -1118.013	D	1.665	23.376	25.041	7.12	0.553	1.038	0.007	0.000	0.000	0.000	0.000
0.020	0.006	0.025	0.017	4.080	2.910	4.100							
2001 5 23 81	777.710 -1118.013	D	0.017	23.376	23.393	0.07	0.004	0.013	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001 6 23 81	777.710 -1118.013	D	0.177	23.376	23.553	0.76	0.041	0.130	0.001	0.000	0.000	0.000	0.000
0.002	0.001	0.002	0.000	4.080	2.910	4.100							

2001	7	23	81	777.710	-1118.013	D	0.045	23.376	23.422	0.19	0.008	0.033	0.000
0.001	0.000	0.000	0.001	0.002	4.080	2.910	4.100						
2001	8	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	4.080	2.910	4.100						
2001	9	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	4.080	2.910	4.100						
2001	10	23	85	785.607	-1106.067	D	0.451	23.376	23.827	1.93	0.190	0.244	0.002
0.005	0.001	0.006	0.003	4.080	2.910	4.100							
2001	11	23	81	777.710	-1118.013	D	0.194	23.376	23.570	0.83	0.056	0.134	0.000
0.001	0.000	0.001	0.001	4.080	2.910	4.100							
2001	12	23	81	777.710	-1118.013	D	0.001	23.376	23.377	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	13	23	120	785.506	-1068.610	D	0.005	23.376	23.382	0.02	0.002	0.003	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	14	23	120	785.506	-1068.610	D	0.076	23.376	23.452	0.32	0.030	0.044	0.000
0.000	0.000	0.001	0.001	4.080	2.910	4.100							
2001	15	23	81	777.710	-1118.013	D	0.005	23.376	23.381	0.02	0.002	0.002	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	16	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	17	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	18	23	81	777.710	-1118.013	D	0.007	23.376	23.383	0.03	0.001	0.003	0.000
0.000	0.000	0.000	0.003	4.080	2.910	4.100							
2001	19	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	20	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	21	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	22	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	23	23	81	777.710	-1118.013	D	0.000	23.376	23.377	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	24	23	81	777.710	-1118.013	D	0.000	23.376	23.377	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	25	23	120	785.506	-1068.610	D	0.001	23.376	23.378	0.01	0.001	0.001	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	26	23	120	785.506	-1068.610	D	0.126	23.376	23.503	0.54	0.050	0.072	0.000
0.001	0.000	0.001	0.001	4.080	2.910	4.100							
2001	27	23	120	785.506	-1068.610	D	0.037	23.376	23.413	0.16	0.014	0.022	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	28	23	120	785.506	-1068.610	D	0.000	23.376	23.377	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	29	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	30	23	81	777.710	-1118.013	D	0.110	23.376	23.486	0.47	0.028	0.074	0.001
0.002	0.000	0.002	0.003	4.080	2.910	4.100							
2001	31	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2001	32	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2001	33	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2001	34	23	81	777.710	-1118.013	D	0.304	23.114	23.418	1.32	0.063	0.231	0.001
0.003	0.001	0.003	0.002	3.820	2.760	3.890							

2001	35	23	81	777.710	-1118.013	D	0.001	23.114	23.116	0.01	0.000	0.001	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	36	23	81	777.710	-1118.013	D	0.192	23.114	23.307	0.83	0.073	0.112	0.001
0.002	0.001	0.003	0.000	0.000	3.820	2.760	3.890						
2001	37	23	81	777.710	-1118.013	D	0.013	23.114	23.127	0.06	0.004	0.008	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	38	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	39	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	40	23	81	777.710	-1118.013	D	0.013	23.114	23.127	0.06	0.002	0.011	0.000
0.000	0.000	0.000	0.001	0.000	3.820	2.760	3.890						
2001	41	23	81	777.710	-1118.013	D	0.000	23.114	23.115	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	42	23	81	777.710	-1118.013	D	0.000	23.114	23.115	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	43	23	115	789.140	-1072.966	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	44	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	45	23	120	785.506	-1068.610	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	46	23	120	785.506	-1068.610	D	0.007	23.114	23.121	0.03	0.002	0.004	0.000
0.000	0.000	0.000	0.001	0.000	3.820	2.760	3.890						
2001	47	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	48	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	49	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	50	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	51	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	52	23	81	777.710	-1118.013	D	0.575	23.114	23.690	2.49	0.316	0.235	0.003
0.008	0.002	0.010	0.003	0.000	3.820	2.760	3.890						
2001	53	23	81	777.710	-1118.013	D	0.022	23.114	23.136	0.09	0.011	0.010	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	54	23	120	785.506	-1068.610	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	55	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	56	23	120	785.506	-1068.610	D	0.003	23.114	23.117	0.01	0.001	0.002	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	57	23	120	785.506	-1068.610	D	0.000	23.114	23.115	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2001	58	23	120	785.506	-1068.610	D	0.088	23.114	23.202	0.38	0.034	0.052	0.000
0.000	0.000	0.000	0.001	0.000	3.820	2.760	3.890						
2001	59	23	120	785.506	-1068.610	D	0.623	23.114	23.737	2.69	0.255	0.347	0.002
0.005	0.001	0.006	0.007	0.000	3.820	2.760	3.890						
2001	60	23	94	792.172	-1088.614	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	61	23	120	785.506	-1068.610	D	0.001	23.085	23.086	0.00	0.000	0.001	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	62	23	81	777.710	-1118.013	D	0.025	23.085	23.110	0.11	0.008	0.012	0.000
0.001	0.000	0.001	0.002	0.000	3.790	2.740	3.870						

2001	63	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	64	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	65	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	66	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	67	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	68	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	69	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	70	23	120	785.506	-1068.610	D	0.005	23.085	23.090	0.02	0.002	0.003	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	71	23	81	777.710	-1118.013	D	0.161	23.085	23.246	0.70	0.029	0.117	0.001
0.003	0.001	0.003	0.006	0.006	3.790	2.740	3.870						
2001	72	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	73	23	87	789.783	-1098.197	D	0.551	23.085	23.636	2.39	0.177	0.349	0.002
0.006	0.002	0.007	0.009	0.009	3.790	2.740	3.870						
2001	74	23	81	777.710	-1118.013	D	0.064	23.085	23.149	0.28	0.012	0.047	0.000
0.001	0.000	0.001	0.002	0.002	3.790	2.740	3.870						
2001	75	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	76	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	77	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	78	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	79	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	80	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	81	23	120	785.506	-1068.610	D	0.001	23.085	23.086	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	82	23	120	785.506	-1068.610	D	0.025	23.085	23.110	0.11	0.011	0.013	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	83	23	81	777.710	-1118.013	D	0.204	23.085	23.290	0.88	0.085	0.114	0.001
0.002	0.001	0.002	0.000	0.000	3.790	2.740	3.870						
2001	84	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	85	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	86	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	87	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	88	23	87	789.783	-1098.197	D	0.353	23.085	23.438	1.53	0.121	0.213	0.001
0.004	0.001	0.005	0.006	0.006	3.790	2.740	3.870						
2001	89	23	81	777.710	-1118.013	D	0.022	23.085	23.107	0.10	0.013	0.008	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2001	90	23	81	777.710	-1118.013	D	0.009	23.085	23.094	0.04	0.007	0.002	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						

2001 119 23 81	777.710 -1118.013 D	0.000	23.042	23.042	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.740 2.720 3.850								
2001 120 23 81	777.710 -1118.013 D	0.000	23.042	23.042	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.740 2.720 3.850								
2001 121 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 122 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 123 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 124 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 125 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 126 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 127 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 128 23 120	785.506 -1068.610 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 129 23 120	785.506 -1068.610 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 130 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 131 23 120	785.506 -1068.610 D	0.094	23.246	23.340	0.40	0.073	0.017	0.000	0.000
0.001 0.000 0.001	0.000 3.940 2.830 4.020								
2001 132 23 81	777.710 -1118.013 D	0.332	23.246	23.578	1.43	0.198	0.125	0.001	0.001
0.003 0.001 0.004	0.000 3.940 2.830 4.020								
2001 133 23 81	777.710 -1118.013 D	0.001	23.246	23.247	0.00	0.001	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 134 23 81	777.710 -1118.013 D	0.359	23.246	23.605	1.54	0.127	0.220	0.001	0.001
0.004 0.001 0.005	0.001 3.940 2.830 4.020								
2001 135 23 86	789.227 -1101.058 D	0.093	23.246	23.339	0.40	0.047	0.044	0.000	0.000
0.001 0.000 0.001	0.000 3.940 2.830 4.020								
2001 136 23 120	785.506 -1068.610 D	0.006	23.246	23.252	0.03	0.005	0.001	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 137 23 103	791.502 -1081.181 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 138 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 139 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 140 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 141 23 81	777.710 -1118.013 D	0.022	23.246	23.268	0.10	0.011	0.009	0.000	0.000
0.000 0.000 0.001	0.001 3.940 2.830 4.020								
2001 142 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 143 23 120	785.506 -1068.610 D	0.083	23.246	23.329	0.36	0.056	0.023	0.000	0.000
0.001 0.000 0.002	0.000 3.940 2.830 4.020								
2001 144 23 81	777.710 -1118.013 D	0.158	23.246	23.404	0.68	0.121	0.023	0.002	0.002
0.005 0.001 0.006	0.001 3.940 2.830 4.020								
2001 145 23 81	777.710 -1118.013 D	0.167	23.246	23.413	0.72	0.118	0.041	0.001	0.001
0.003 0.001 0.004	0.000 3.940 2.830 4.020								
2001 146 23 120	785.506 -1068.610 D	0.076	23.246	23.322	0.33	0.066	0.006	0.000	0.000
0.001 0.000 0.001	0.000 3.940 2.830 4.020								

2001 147 23 120	785.506 -1068.610	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 148 23 120	785.506 -1068.610	D	0.146	23.246	23.392	0.63	0.127	0.008	0.001
0.003 0.001 0.004	0.000 3.940 2.830 4.020								
2001 149 23 120	785.506 -1068.610	D	0.088	23.246	23.334	0.38	0.063	0.020	0.001
0.002 0.000 0.002	0.000 3.940 2.830 4.020								
2001 150 23 81	777.710 -1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020								
2001 151 23 120	785.506 -1068.610	D	0.102	23.246	23.348	0.44	0.093	0.001	0.001
0.003 0.001 0.004	0.000 3.940 2.830 4.020								
2001 152 23 81	777.710 -1118.013	D	0.032	23.442	23.474	0.14	0.020	0.009	0.000
0.001 0.000 0.001	0.000 4.120 2.940 4.210								
2001 153 23 81	777.710 -1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 154 23 81	777.710 -1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 155 23 81	777.710 -1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 156 23 81	777.710 -1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 157 23 81	777.710 -1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 158 23 81	777.710 -1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 159 23 81	777.710 -1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 160 23 81	777.710 -1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 161 23 81	777.710 -1118.013	D	0.108	23.442	23.550	0.46	0.091	0.010	0.001
0.002 0.000 0.002	0.003 4.120 2.940 4.210								
2001 162 23 87	789.783 -1098.197	D	0.061	23.442	23.503	0.26	0.042	0.017	0.000
0.001 0.000 0.001	0.000 4.120 2.940 4.210								
2001 163 23 120	785.506 -1068.610	D	0.005	23.442	23.447	0.02	0.004	0.001	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 164 23 105	791.418 -1080.252	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 165 23 120	785.506 -1068.610	D	0.001	23.442	23.443	0.00	0.001	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 166 23 81	777.710 -1118.013	D	0.178	23.442	23.620	0.76	0.066	0.104	0.001
0.002 0.001 0.003	0.001 4.120 2.940 4.210								
2001 167 23 81	777.710 -1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 168 23 81	777.710 -1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 169 23 81	777.710 -1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 170 23 120	785.506 -1068.610	D	0.043	23.442	23.485	0.18	0.041	0.001	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2001 171 23 120	785.506 -1068.610	D	0.065	23.442	23.507	0.28	0.050	0.012	0.000
0.001 0.000 0.001	0.000 4.120 2.940 4.210								
2001 172 23 97	791.921 -1085.827	D	0.197	23.442	23.639	0.84	0.164	0.021	0.001
0.004 0.001 0.005	0.001 4.120 2.940 4.210								
2001 173 23 82	779.971 -1115.939	D	0.123	23.442	23.565	0.53	0.082	0.037	0.001
0.002 0.001 0.002	0.000 4.120 2.940 4.210								
2001 174 23 81	777.710 -1118.013	D	0.001	23.442	23.443	0.00	0.001	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								

2001 175 23	81	777.710	-1118.013	D	0.001	23.442	23.443	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210					
2001 176 23	81	777.710	-1118.013	D	0.001	23.442	23.443	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210					
2001 177 23	81	777.710	-1118.013	D	0.001	23.442	23.443	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210					
2001 178 23	120	785.506	-1068.610	D	0.018	23.442	23.460	0.08	0.016	0.002	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210					
2001 179 23	120	785.506	-1068.610	D	0.029	23.442	23.471	0.12	0.023	0.006	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210					
2001 180 23	120	785.506	-1068.610	D	0.005	23.442	23.447	0.02	0.003	0.001	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210					
2001 181 23	120	785.506	-1068.610	D	0.001	23.442	23.443	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210					
2001 182 23	120	785.506	-1068.610	D	0.003	23.733	23.736	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 183 23	120	785.506	-1068.610	D	0.000	23.733	23.734	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 184 23	120	785.506	-1068.610	D	0.067	23.733	23.800	0.28	0.026	0.040	0.000
0.001	0.000	0.001	0.000	4.410	3.100	4.440					
2001 185 23	120	785.506	-1068.610	D	0.585	23.733	24.318	2.46	0.307	0.260	0.002
0.006	0.002	0.007	0.001	4.410	3.100	4.440					
2001 186 23	87	789.783	-1098.197	D	0.325	23.733	24.058	1.37	0.233	0.083	0.001
0.003	0.001	0.004	0.000	4.410	3.100	4.440					
2001 187 23	120	785.506	-1068.610	D	0.129	23.733	23.862	0.55	0.101	0.025	0.000
0.001	0.000	0.001	0.000	4.410	3.100	4.440					
2001 188 23	120	785.506	-1068.610	D	0.038	23.733	23.771	0.16	0.035	0.002	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 189 23	81	777.710	-1118.013	D	0.139	23.733	23.872	0.59	0.128	0.006	0.001
0.002	0.001	0.002	0.000	4.410	3.100	4.440					
2001 190 23	81	777.710	-1118.013	D	0.292	23.733	24.025	1.23	0.151	0.110	0.002
0.007	0.002	0.008	0.013	4.410	3.100	4.440					
2001 191 23	81	777.710	-1118.013	D	0.234	23.733	23.967	0.99	0.139	0.060	0.003
0.007	0.002	0.009	0.014	4.410	3.100	4.440					
2001 192 23	81	777.710	-1118.013	D	0.097	23.733	23.830	0.41	0.071	0.020	0.001
0.002	0.000	0.002	0.002	4.410	3.100	4.440					
2001 193 23	118	787.281	-1070.324	D	0.001	23.733	23.734	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 194 23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 195 23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 196 23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 197 23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 198 23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 199 23	85	785.607	-1106.067	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 200 23	120	785.506	-1068.610	D	0.153	23.733	23.886	0.64	0.137	0.006	0.001
0.003	0.001	0.004	0.000	4.410	3.100	4.440					
2001 201 23	81	777.710	-1118.013	D	0.236	23.733	23.969	0.99	0.168	0.055	0.001
0.004	0.001	0.005	0.001	4.410	3.100	4.440					
2001 202 23	81	777.710	-1118.013	D	0.009	23.733	23.742	0.04	0.008	0.001	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					

2001 203 23	81	777.710	-1118.013	D	0.000	23.733	23.734	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 204 23	81	777.710	-1118.013	D	0.002	23.733	23.735	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 205 23	81	777.710	-1118.013	D	0.006	23.733	23.739	0.03	0.005	0.001	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 206 23	118	787.281	-1070.324	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 207 23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 208 23	119	786.393	-1069.467	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 209 23	120	785.506	-1068.610	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 210 23	120	785.506	-1068.610	D	0.006	23.733	23.739	0.03	0.006	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 211 23	120	785.506	-1068.610	D	0.262	23.733	23.995	1.10	0.171	0.082	0.001
0.003	0.001	0.004	0.000	4.410	3.100	4.440					
2001 212 23	81	777.710	-1118.013	D	0.032	23.733	23.765	0.14	0.022	0.010	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2001 213 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2001 214 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2001 215 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2001 216 23	81	777.710	-1118.013	D	0.009	23.684	23.693	0.04	0.003	0.006	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2001 217 23	81	777.710	-1118.013	D	0.040	23.684	23.724	0.17	0.026	0.013	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2001 218 23	120	785.506	-1068.610	D	0.003	23.684	23.686	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2001 219 23	120	785.506	-1068.610	D	0.006	23.684	23.690	0.03	0.003	0.002	0.000
0.000	0.000	0.000	0.001	4.370	3.070	4.380					
2001 220 23	120	785.506	-1068.610	D	0.033	23.684	23.716	0.14	0.021	0.009	0.000
0.000	0.000	0.000	0.002	4.370	3.070	4.380					
2001 221 23	120	785.506	-1068.610	D	0.040	23.684	23.724	0.17	0.034	0.004	0.000
0.001	0.000	0.001	0.000	4.370	3.070	4.380					
2001 222 23	120	785.506	-1068.610	D	0.274	23.684	23.957	1.15	0.113	0.149	0.001
0.003	0.001	0.004	0.002	4.370	3.070	4.380					
2001 223 23	120	785.506	-1068.610	D	0.096	23.684	23.779	0.40	0.051	0.039	0.000
0.001	0.000	0.001	0.003	4.370	3.070	4.380					
2001 224 23	86	789.227	-1101.058	D	0.447	23.684	24.130	1.89	0.288	0.136	0.002
0.007	0.002	0.008	0.003	4.370	3.070	4.380					
2001 225 23	81	777.710	-1118.013	D	0.413	23.684	24.097	1.74	0.277	0.120	0.002
0.005	0.001	0.006	0.002	4.370	3.070	4.380					
2001 226 23	81	777.710	-1118.013	D	0.030	23.684	23.714	0.13	0.023	0.006	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2001 227 23	120	785.506	-1068.610	D	0.168	23.684	23.851	0.71	0.101	0.062	0.000
0.001	0.000	0.002	0.000	4.370	3.070	4.380					
2001 228 23	82	779.971	-1115.939	D	0.998	23.684	24.681	4.21	0.570	0.338	0.007
0.021	0.006	0.026	0.031	4.370	3.070	4.380					
2001 229 23	81	777.710	-1118.013	D	0.985	23.684	24.669	4.16	0.737	0.158	0.008
0.025	0.007	0.031	0.019	4.370	3.070	4.380					
2001 230 23	81	777.710	-1118.013	D	0.301	23.684	23.985	1.27	0.208	0.079	0.002
0.005	0.001	0.006	0.000	4.370	3.070	4.380					

2001	231	23	81	777.710	-1118.013	D	0.130	23.684	23.814	0.55	0.099	0.025	0.001
0.002	0.001	0.002	0.000	4.370	3.070	4.380							
2001	232	23	81	777.710	-1118.013	D	0.005	23.684	23.689	0.02	0.003	0.002	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2001	233	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2001	234	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2001	235	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2001	236	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2001	237	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2001	238	23	86	789.227	-1101.058	D	0.087	23.684	23.770	0.37	0.061	0.024	0.000
0.001	0.000	0.001	0.000	4.370	3.070	4.380							
2001	239	23	120	785.506	-1068.610	D	0.055	23.684	23.739	0.23	0.035	0.019	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2001	240	23	120	785.506	-1068.610	D	0.027	23.684	23.711	0.11	0.020	0.007	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2001	241	23	119	786.393	-1069.467	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2001	242	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2001	243	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2001	244	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2001	245	23	120	785.506	-1068.610	D	0.001	23.493	23.494	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2001	246	23	120	785.506	-1068.610	D	0.112	23.493	23.606	0.48	0.069	0.042	0.000
0.000	0.000	0.000	0.001	4.180	2.970	4.230							
2001	247	23	81	777.710	-1118.013	D	0.073	23.493	23.566	0.31	0.047	0.026	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2001	248	23	81	777.710	-1118.013	D	0.006	23.493	23.500	0.03	0.004	0.002	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2001	249	23	120	785.506	-1068.610	D	0.000	23.493	23.494	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2001	250	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2001	251	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2001	252	23	120	785.506	-1068.610	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2001	253	23	120	785.506	-1068.610	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2001	254	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2001	255	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2001	256	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2001	257	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2001	258	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							

2001 259 23 120	785.506 -1068.610 D	0.207	23.493	23.700	0.88	0.164	0.035	0.001
0.003 0.001 0.004	0.000 4.180 2.970 4.230							
2001 260 23 120	785.506 -1068.610 D	0.004	23.493	23.498	0.02	0.002	0.002	0.000
0.000 0.000 0.000	0.000 4.180 2.970 4.230							
2001 261 23 120	785.506 -1068.610 D	0.001	23.493	23.494	0.00	0.001	0.000	0.000
0.000 0.000 0.000	0.000 4.180 2.970 4.230							
2001 262 23 81	777.710 -1118.013 D	0.112	23.493	23.606	0.48	0.075	0.032	0.001
0.002 0.000 0.002	0.001 4.180 2.970 4.230							
2001 263 23 81	777.710 -1118.013 D	0.302	23.493	23.795	1.28	0.195	0.095	0.001
0.004 0.001 0.005	0.000 4.180 2.970 4.230							
2001 264 23 81	777.710 -1118.013 D	0.025	23.493	23.518	0.11	0.013	0.011	0.000
0.000 0.000 0.000	0.000 4.180 2.970 4.230							
2001 265 23 81	777.710 -1118.013 D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.180 2.970 4.230							
2001 266 23 81	777.710 -1118.013 D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.180 2.970 4.230							
2001 267 23 81	777.710 -1118.013 D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.180 2.970 4.230							
2001 268 23 81	777.710 -1118.013 D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.180 2.970 4.230							
2001 269 23 81	777.710 -1118.013 D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.180 2.970 4.230							
2001 270 23 81	777.710 -1118.013 D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.180 2.970 4.230							
2001 271 23 81	777.710 -1118.013 D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.180 2.970 4.230							
2001 272 23 81	777.710 -1118.013 D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.180 2.970 4.230							
2001 273 23 81	777.710 -1118.013 D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.180 2.970 4.230							
2001 274 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990							
2001 275 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990							
2001 276 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990							
2001 277 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990							
2001 278 23 120	785.506 -1068.610 D	0.006	23.221	23.227	0.03	0.002	0.003	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990							
2001 279 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990							
2001 280 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990							
2001 281 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990							
2001 282 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990							
2001 283 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990							
2001 284 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990							
2001 285 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990							
2001 286 23 87	789.783 -1098.197 D	0.156	23.221	23.377	0.67	0.035	0.107	0.001
0.003 0.001 0.003	0.006 3.920 2.820 3.990							

2001 287 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 288 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 289 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 290 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 291 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 292 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 293 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 294 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 295 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 296 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 297 23	99	792.559	-1083.896	D	0.020	23.221	23.241	0.09	0.007	0.010	0.000
0.001	0.000	0.001	0.001								
2001 298 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 299 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 300 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 301 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 302 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 303 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 304 23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 305 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 306 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 307 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 308 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 309 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 310 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2001 311 23	120	785.506	-1068.610	D	0.050	23.235	23.286	0.22	0.023	0.026	0.000
0.000	0.000	0.001	0.000								
2001 312 23	86	789.227	-1101.058	D	0.173	23.235	23.408	0.74	0.081	0.088	0.000
0.001	0.000	0.002	0.000								
2001 313 23	81	777.710	-1118.013	D	0.003	23.235	23.239	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000								
2001 314 23	86	789.227	-1101.058	D	0.011	23.235	23.247	0.05	0.008	0.003	0.000
0.000	0.000	0.000	0.000								

2001 315 23	87	789.783	-1098.197	D	0.011	23.235	23.246	0.05	0.007	0.004	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 316 23	81	777.710	-1118.013	D	0.003	23.235	23.238	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 317 23	81	777.710	-1118.013	D	0.001	23.235	23.236	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 318 23	97	791.921	-1085.827	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 319 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 320 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 321 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 322 23	120	785.506	-1068.610	D	0.003	23.235	23.239	0.01	0.001	0.002	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 323 23	120	785.506	-1068.610	D	0.100	23.235	23.336	0.43	0.044	0.054	0.000
0.001	0.000	0.001	0.000	3.930	2.830	4.010					
2001 324 23	81	777.710	-1118.013	D	0.008	23.235	23.243	0.03	0.005	0.002	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 325 23	87	789.783	-1098.197	D	0.022	23.235	23.257	0.09	0.012	0.010	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 326 23	120	785.506	-1068.610	D	0.001	23.235	23.237	0.01	0.001	0.001	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 327 23	120	785.506	-1068.610	D	0.001	23.235	23.236	0.00	0.000	0.001	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 328 23	81	777.710	-1118.013	D	0.051	23.235	23.286	0.22	0.029	0.016	0.000
0.001	0.000	0.002	0.002	3.930	2.830	4.010					
2001 329 23	120	785.506	-1068.610	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 330 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 331 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 332 23	120	785.506	-1068.610	D	0.054	23.235	23.289	0.23	0.025	0.021	0.000
0.001	0.000	0.001	0.005	3.930	2.830	4.010					
2001 333 23	81	777.710	-1118.013	D	0.037	23.235	23.273	0.16	0.007	0.026	0.000
0.001	0.000	0.001	0.002	3.930	2.830	4.010					
2001 334 23	81	777.710	-1118.013	D	0.001	23.235	23.237	0.01	0.000	0.001	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2001 335 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110					
2001 336 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110					
2001 337 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110					
2001 338 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110					
2001 339 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110					
2001 340 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110					
2001 341 23	120	785.506	-1068.610	D	0.091	23.365	23.456	0.39	0.047	0.041	0.000
0.001	0.000	0.001	0.000	4.060	2.900	4.110					
2001 342 23	81	777.710	-1118.013	D	0.173	23.365	23.538	0.74	0.089	0.078	0.001
0.002	0.001	0.003	0.000	4.060	2.900	4.110					

2001 343 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110										
2001 344 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110										
2001 345 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110										
2001 346 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110										
2001 347 23 81	777.710 -1118.013	D	0.048	23.365	23.412	0.20	0.010	0.033	0.000		
0.001 0.000 0.001	0.002 4.060 2.900 4.110										
2001 348 23 81	777.710 -1118.013	D	0.006	23.365	23.371	0.03	0.002	0.004	0.000		
0.000 0.000 0.000	0.000 4.060 2.900 4.110										
2001 349 23 96	792.004 -1086.756	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110										
2001 350 23 87	789.783 -1098.197	D	0.012	23.365	23.377	0.05	0.002	0.009	0.000		
0.000 0.000 0.000	0.001 4.060 2.900 4.110										
2001 351 23 87	789.783 -1098.197	D	0.001	23.365	23.365	0.00	0.000	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110										
2001 352 23 120	785.506 -1068.610	D	0.802	23.365	24.167	3.43	0.249	0.500	0.004		
0.012 0.004 0.016	0.017 4.060 2.900 4.110										
2001 353 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110										
2001 354 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110										
2001 355 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110										
2001 356 23 81	777.710 -1118.013	D	0.065	23.365	23.430	0.28	0.022	0.042	0.000		
0.000 0.000 0.000	0.001 4.060 2.900 4.110										
2001 357 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110										
2001 358 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110										
2001 359 23 81	777.710 -1118.013	D	0.057	23.365	23.421	0.24	0.023	0.031	0.000		
0.001 0.000 0.001	0.000 4.060 2.900 4.110										
2001 360 23 81	777.710 -1118.013	D	0.024	23.365	23.389	0.10	0.005	0.019	0.000		
0.000 0.000 0.000	0.000 4.060 2.900 4.110										
2001 361 23 81	777.710 -1118.013	D	0.468	23.365	23.833	2.00	0.108	0.346	0.002		
0.005 0.001 0.006	0.001 4.060 2.900 4.110										
2001 362 23 120	785.506 -1068.610	D	1.017	23.365	24.382	4.35	0.330	0.663	0.003		
0.008 0.002 0.009	0.003 4.060 2.900 4.110										
2001 363 23 81	777.710 -1118.013	D	0.012	23.365	23.376	0.05	0.006	0.006	0.000		
0.000 0.000 0.000	0.000 4.060 2.900 4.110										

--- Ranked Daily Visibility Change ---

START TIME

Modeled Extinction by Species

Small Large SSalt

YEAR DAY HR RECEPTOR	COORDINATES (km)	TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)	%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)
2001 4 23 81	777.710 -1118.013	D	1.665	23.376	25.041	7.12	0.553	1.038	0.007							
0.020 0.006 0.025	0.017 4.080 2.910 4.100		1													
2001 362 23 120	785.506 -1068.610	D	1.017	23.365	24.382	4.35	0.330	0.663	0.003							
0.008 0.002 0.009	0.003 4.060 2.900 4.110		2													
2001 228 23 82	779.971 -1115.939	D	0.998	23.684	24.681	4.21	0.570	0.338	0.007							
0.021 0.006 0.026	0.031 4.370 3.070 4.380		3													
2001 229 23 81	777.710 -1118.013	D	0.985	23.684	24.669	4.16	0.737	0.158	0.008							

0.025	0.007	0.031	0.019	4.370	3.070	4.380	4										
2001	352	23	120	785.506	-1068.610	D	0.802	23.365	24.167	3.43	0.249	0.500	0.004				
0.012	0.004	0.016	0.017	4.060	2.900	4.110	5										
2001	59	23	120	785.506	-1068.610	D	0.623	23.114	23.737	2.69	0.255	0.347	0.002				
0.005	0.001	0.006	0.007	3.820	2.760	3.890	6										
2001	52	23	81	777.710	-1118.013	D	0.575	23.114	23.690	2.49	0.316	0.235	0.003				
0.008	0.002	0.010	0.003	3.820	2.760	3.890	7										
2001	185	23	120	785.506	-1068.610	D	0.585	23.733	24.318	2.46	0.307	0.260	0.002				
0.006	0.002	0.007	0.001	4.410	3.100	4.440	8										
2001	73	23	87	789.783	-1098.197	D	0.551	23.085	23.636	2.39	0.177	0.349	0.002				
0.006	0.002	0.007	0.009	3.790	2.740	3.870	9										
2001	361	23	81	777.710	-1118.013	D	0.468	23.365	23.833	2.00	0.108	0.346	0.002				
0.005	0.001	0.006	0.001	4.060	2.900	4.110	10										
2001	10	23	85	785.607	-1106.067	D	0.451	23.376	23.827	1.93	0.190	0.244	0.002				
0.005	0.001	0.006	0.003	4.080	2.910	4.100	11										
2001	224	23	86	789.227	-1101.058	D	0.447	23.684	24.130	1.89	0.288	0.136	0.002				
0.007	0.002	0.008	0.003	4.370	3.070	4.380	12										
2001	225	23	81	777.710	-1118.013	D	0.413	23.684	24.097	1.74	0.277	0.120	0.002				
0.005	0.001	0.006	0.002	4.370	3.070	4.380	13										
2001	134	23	81	777.710	-1118.013	D	0.359	23.246	23.605	1.54	0.127	0.220	0.001				
0.004	0.001	0.005	0.001	3.940	2.830	4.020	14										
2001	88	23	87	789.783	-1098.197	D	0.353	23.085	23.438	1.53	0.121	0.213	0.001				
0.004	0.001	0.005	0.006	3.790	2.740	3.870	15										
2001	132	23	81	777.710	-1118.013	D	0.332	23.246	23.578	1.43	0.198	0.125	0.001				
0.003	0.001	0.004	0.000	3.940	2.830	4.020	16										
2001	186	23	87	789.783	-1098.197	D	0.325	23.733	24.058	1.37	0.233	0.083	0.001				
0.003	0.001	0.004	0.000	4.410	3.100	4.440	17										
2001	34	23	81	777.710	-1118.013	D	0.304	23.114	23.418	1.32	0.063	0.231	0.001				
0.003	0.001	0.003	0.002	3.820	2.760	3.890	18										
2001	263	23	81	777.710	-1118.013	D	0.302	23.493	23.795	1.28	0.195	0.095	0.001				
0.004	0.001	0.005	0.000	4.180	2.970	4.230	19										
2001	230	23	81	777.710	-1118.013	D	0.301	23.684	23.985	1.27	0.208	0.079	0.002				
0.005	0.001	0.006	0.000	4.370	3.070	4.380	20										
2001	190	23	81	777.710	-1118.013	D	0.292	23.733	24.025	1.23	0.151	0.110	0.002				
0.007	0.002	0.008	0.013	4.410	3.100	4.440	21										
2001	222	23	120	785.506	-1068.610	D	0.274	23.684	23.957	1.15	0.113	0.149	0.001				
0.003	0.001	0.004	0.002	4.370	3.070	4.380	22										

--- Number of days with Extinction Change => 5.0 % : 1
 --- Number of days with Extinction Change => 10.0 % : 0
 --- Largest Extinction Change = 7.12 %

 CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

RECEPTOR COORDINATES (km) TYPE BEXT(Model) BEXT(BKG) BEXT(Total) %CHANGE

81 777.710 -1118.013 D 0.047 23.339 23.385 0.20

--- Number of recs with Extinction Change > 1.0 % : 0

--- Largest Extinction Change = 0.20 %

CALPOST Version 6.221 Level 080724

24HR VISIBILITY

VISIB BOESNCFG

(deciview)

START TIME		% of Modeled Extinction by Species																	
YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)	
2000	366	23	81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00		4.060 2.900 4.110															
2001	1	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00		4.080 2.910 4.100															
2001	2	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00		4.080 2.910 4.100															
2001	3	23	81	777.710 -1118.013	D	8.545	8.491	0.053	29.06	68.17	0.32	0.94	0.28						
	1.18	0.04		4.080 2.910 4.100															
2001	4	23	81	777.710 -1118.013	D	9.179	8.491	0.688	33.23	62.34	0.41	1.18	0.36						
	1.48	1.00		4.080 2.910 4.100															
2001	5	23	81	777.710 -1118.013	D	8.499	8.491	0.007	20.74	76.73	0.30	0.86	0.26						
	1.08	0.03		4.080 2.910 4.100															
2001	6	23	81	777.710 -1118.013	D	8.567	8.491	0.075	23.26	73.85	0.33	0.97	0.29						
	1.21	0.08		4.080 2.910 4.100															
2001	7	23	81	777.710 -1118.013	D	8.511	8.491	0.019	18.49	71.73	0.62	1.80	0.54						
	2.26	4.56		4.080 2.910 4.100															
2001	8	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00						
	0.00	0.00		4.080 2.910 4.100															
2001	9	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00						
	0.00	0.00		4.080 2.910 4.100															
2001	10	23	85	785.607 -1106.067	D	8.682	8.491	0.191	42.16	54.17	0.36	1.05	0.32						
	1.31	0.64		4.080 2.910 4.100															
2001	11	23	81	777.710 -1118.013	D	8.574	8.491	0.082	28.93	69.34	0.12	0.35	0.10						
	0.43	0.73		4.080 2.910 4.100															
2001	12	23	81	777.710 -1118.013	D	8.492	8.491	0.000	29.49	70.09	0.08	0.10	0.03						
	0.13	0.03		4.080 2.910 4.100															

2001	13	23	120	785.506	-1068.610	D	8.494	8.491	0.002	31.83	67.80	0.04	0.11
	0.03	0.14	0.04	4.080	2.910	4.100							
2001	14	23	120	785.506	-1068.610	D	8.524	8.491	0.032	39.09	57.69	0.22	0.63
	0.19	0.79	1.39	4.080	2.910	4.100							
2001	15	23	81	777.710	-1118.013	D	8.493	8.491	0.002	48.21	50.04	0.19	0.56
	0.70	0.15	4.080	2.910	4.100								
2001	16	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100								
2001	17	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100								
2001	18	23	81	777.710	-1118.013	D	8.494	8.491	0.003	18.27	36.20	0.01	0.01
	0.02	45.49	4.080	2.910	4.100								
2001	19	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100								
2001	20	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100								
2001	21	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100								
2001	22	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100								
2001	23	23	81	777.710	-1118.013	D	8.491	8.491	0.000	54.17	45.49	0.00	0.85
	1.07	0.00	4.080	2.910	4.100								0.26
2001	24	23	81	777.710	-1118.013	D	8.491	8.491	0.000	45.00	44.38	0.00	0.62
	0.77	0.00	4.080	2.910	4.100								0.19
2001	25	23	120	785.506	-1068.610	D	8.492	8.491	0.001	51.86	45.42	0.32	0.95
	0.29	1.19	0.00	4.080	2.910	4.100							
2001	26	23	120	785.506	-1068.610	D	8.545	8.491	0.054	39.51	57.39	0.30	0.87
	0.26	1.09	0.57	4.080	2.910	4.100							
2001	27	23	120	785.506	-1068.610	D	8.507	8.491	0.016	37.21	60.83	0.22	0.65
	0.20	0.81	0.07	4.080	2.910	4.100							
2001	28	23	120	785.506	-1068.610	D	8.492	8.491	0.000	20.58	45.31	0.19	0.41
	0.12	0.51	32.81	4.080	2.910	4.100							
2001	29	23	81	777.710	-1118.013	D	8.491	8.491	0.000	75.00	6.25	0.00	0.17
	0.22	0.00	4.080	2.910	4.100								0.05
2001	30	23	81	777.710	-1118.013	D	8.538	8.491	0.047	25.58	67.57	0.50	1.47
	1.84	2.60	4.080	2.910	4.100								0.44
2001	31	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100								
2001	32	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890								
2001	33	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890								
2001	34	23	81	777.710	-1118.013	D	8.509	8.379	0.131	20.76	76.08	0.30	0.87
	1.09	0.62	3.820	2.760	3.890								0.26
2001	35	23	81	777.710	-1118.013	D	8.379	8.379	0.001	30.72	66.60	0.29	0.91
	1.14	0.01	3.820	2.760	3.890								0.28
2001	36	23	81	777.710	-1118.013	D	8.462	8.379	0.083	38.18	58.18	0.42	1.21
	1.52	0.13	3.820	2.760	3.890								0.37
2001	37	23	81	777.710	-1118.013	D	8.384	8.379	0.006	32.93	64.20	0.34	0.99
	1.24	0.00	3.820	2.760	3.890								0.30
2001	38	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890								
2001	39	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890								
2001	40	23	81	777.710	-1118.013	D	8.384	8.379	0.006	12.63	82.21	0.10	0.29
	0.36	4.32	3.820	2.760	3.890								0.09

2001	41	23	81	777.710	-1118.013	D	8.379	8.379	0.000	28.18	71.15	0.11	0.15	0.05
				0.19	0.15	3.820	2.760	3.890						
2001	42	23	81	777.710	-1118.013	D	8.379	8.379	0.000	32.27	67.54	0.00	0.14	0.04
				0.17	0.07	3.820	2.760	3.890						
2001	43	23	115	789.140	-1072.966	D	8.379	8.379	0.000	18.75	31.25	0.00		0.05
				0.01	0.06	0.01	3.820	2.760	3.890					
2001	44	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.820	2.760	3.890						
2001	45	23	120	785.506	-1068.610	D	8.379	8.379	0.000	43.44	54.30	0.00		0.49
				0.15	0.61	0.70	3.820	2.760	3.890					
2001	46	23	120	785.506	-1068.610	D	8.382	8.379	0.003	32.95	54.52	0.37		1.07
				0.32	1.34	9.42	3.820	2.760	3.890					
2001	47	23	81	777.710	-1118.013	D	8.379	8.379	0.000	7.27	89.57	0.00	0.00	0.00
				0.00	3.46	3.820	2.760	3.890						
2001	48	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.820	2.760	3.890						
2001	49	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.820	2.760	3.890						
2001	50	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.820	2.760	3.890						
2001	51	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.820	2.760	3.890						
2001	52	23	81	777.710	-1118.013	D	8.625	8.379	0.246	54.84	40.83	0.46	1.33	0.40
				1.66	0.47	3.820	2.760	3.890						
2001	53	23	81	777.710	-1118.013	D	8.388	8.379	0.009	52.22	44.81	0.35	1.02	0.31
				1.28	0.00	3.820	2.760	3.890						
2001	54	23	120	785.506	-1068.610	D	8.379	8.379	0.000	53.01	43.94	0.31		1.03
				0.31	1.29	0.00	3.820	2.760	3.890					
2001	55	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.820	2.760	3.890						
2001	56	23	120	785.506	-1068.610	D	8.380	8.379	0.001	42.44	55.48	0.19		0.57
				0.17	0.71	0.44	3.820	2.760	3.890					
2001	57	23	120	785.506	-1068.610	D	8.379	8.379	0.000	43.18	55.45	0.19		0.40
				0.12	0.50	0.06	3.820	2.760	3.890					
2001	58	23	120	785.506	-1068.610	D	8.417	8.379	0.038	38.99	58.77	0.11		0.31
				0.09	0.38	1.35	3.820	2.760	3.890					
2001	59	23	120	785.506	-1068.610	D	8.644	8.379	0.266	41.04	55.69	0.26		0.74
				0.22	0.93	1.12	3.820	2.760	3.890					
2001	60	23	94	792.172	-1088.614	D	8.366	8.366	0.000	6.25	71.88	0.00	0.00	0.00
				0.00	10.02	3.790	2.740	3.870						
2001	61	23	120	785.506	-1068.610	D	8.366	8.366	0.000	4.82	91.46	0.00	0.00	0.00
				0.00	3.70	3.790	2.740	3.870						
2001	62	23	81	777.710	-1118.013	D	8.377	8.366	0.011	30.54	50.07	1.23	3.58	1.08
				4.47	9.04	3.790	2.740	3.870						
2001	63	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.790	2.740	3.870						
2001	64	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.790	2.740	3.870						
2001	65	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.790	2.740	3.870						
2001	66	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.790	2.740	3.870						
2001	67	23	81	777.710	-1118.013	D	8.366	8.366	0.000	43.35	56.52	0.00	0.34	0.10
				0.42	0.31	3.790	2.740	3.870						
2001	68	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.790	2.740	3.870						

2001	69	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870										
2001	70	23	120	785.506	-1068.610	D	8.368	8.366	0.002	37.09	58.60	0.39	1.14		
	0.34	1.43	1.03	3.790	2.740	3.870									
2001	71	23	81	777.710	-1118.013	D	8.435	8.366	0.069	18.16	72.83	0.59	1.72	0.52	
	2.15	4.02	3.790	2.740	3.870										
2001	72	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870										
2001	73	23	87	789.783	-1098.197	D	8.602	8.366	0.236	32.07	63.39	0.34	1.00	0.30	
	1.25	1.65	3.790	2.740	3.870										
2001	74	23	81	777.710	-1118.013	D	8.394	8.366	0.028	18.71	73.03	0.61	1.77	0.53	
	2.22	3.12	3.790	2.740	3.870										
2001	75	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870										
2001	76	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870										
2001	77	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870										
2001	78	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870										
2001	79	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870										
2001	80	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870										
2001	81	23	120	785.506	-1068.610	D	8.367	8.366	0.000	61.71	35.06	0.40	1.09		
	0.33	1.37	0.00	3.790	2.740	3.870									
2001	82	23	120	785.506	-1068.610	D	8.377	8.366	0.011	44.25	52.98	0.33	0.96		
	0.29	1.20	0.00	3.790	2.740	3.870									
2001	83	23	81	777.710	-1118.013	D	8.454	8.366	0.088	41.57	55.69	0.33	0.95	0.29	
	1.18	0.00	3.790	2.740	3.870										
2001	84	23	81	777.710	-1118.013	D	8.366	8.366	0.000	67.88	29.29	0.29	0.89	0.27	
	1.11	0.00	3.790	2.740	3.870										
2001	85	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870										
2001	86	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870										
2001	87	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870										
2001	88	23	87	789.783	-1098.197	D	8.518	8.366	0.152	34.28	60.49	0.40	1.17	0.35	
	1.47	1.83	3.790	2.740	3.870										
2001	89	23	81	777.710	-1118.013	D	8.376	8.366	0.010	60.88	36.68	0.29	0.84	0.25	
	1.05	0.02	3.790	2.740	3.870										
2001	90	23	81	777.710	-1118.013	D	8.370	8.366	0.004	77.25	20.43	0.27	0.80	0.24	
	1.00	0.00	3.790	2.740	3.870										
2001	91	23	81	777.710	-1118.013	D	8.362	8.347	0.015	55.29	41.68	0.36	1.05	0.32	
	1.31	0.00	3.740	2.720	3.850										
2001	92	23	120	785.506	-1068.610	D	8.347	8.347	0.000	49.90	46.72	0.40	0.85		
	0.26	1.07	0.00	3.740	2.720	3.850									
2001	93	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	94	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	95	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	96	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										

2001	97	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	98	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	99	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	100	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	101	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	102	23	120	785.506	-1068.610	D	8.348	8.347	0.001	70.84	23.35	0.68	1.99		
	0.60	2.49	0.05	3.740	2.720	3.850									
2001	103	23	120	785.506	-1068.610	D	8.348	8.347	0.001	66.93	27.19	0.68	2.00		
	0.60	2.50	0.10	3.740	2.720	3.850									
2001	104	23	120	785.506	-1068.610	D	8.357	8.347	0.009	58.73	35.12	0.70	2.05		
	0.62	2.56	0.22	3.740	2.720	3.850									
2001	105	23	81	777.710	-1118.013	D	8.350	8.347	0.003	29.37	63.14	0.58	1.70		
	0.51	2.13	2.55	3.740	2.720	3.850									
2001	106	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	107	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	108	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	109	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	110	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	111	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	112	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	113	23	120	785.506	-1068.610	D	8.348	8.347	0.000	45.78	50.24	0.00	0.02		
	0.00	0.02	3.92	3.740	2.720	3.850									
2001	114	23	81	777.710	-1118.013	D	8.347	8.347	0.000	54.60	42.41	0.00	0.00		
	0.00	0.01	2.89	3.740	2.720	3.850									
2001	115	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	116	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	117	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	118	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	119	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	120	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850										
2001	121	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2001	122	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2001	123	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2001	124	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										

2001	125	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2001	126	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2001	127	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2001	128	23	120	785.506	-1068.610	D	8.436	8.435	0.000	62.05	35.56	0.34	0.86		
	0.26	1.08	0.00	3.940	2.830	4.020									
2001	129	23	120	785.506	-1068.610	D	8.436	8.435	0.000	68.18	30.35	0.38	0.66		
	0.20	0.83	0.00	3.940	2.830	4.020									
2001	130	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2001	131	23	120	785.506	-1068.610	D	8.476	8.435	0.040	77.94	18.48	0.43	1.24		
	0.37	1.55	0.00	3.940	2.830	4.020									
2001	132	23	81	777.710	-1118.013	D	8.577	8.435	0.142	59.66	37.80	0.30	0.88		
	0.26	1.10	0.00	3.940	2.830	4.020									
2001	133	23	81	777.710	-1118.013	D	8.436	8.435	0.000	84.99	12.24	0.35	0.93		
	0.28	1.17	0.00	3.940	2.830	4.020									
2001	134	23	81	777.710	-1118.013	D	8.589	8.435	0.153	35.33	61.28	0.38	1.10		
	0.33	1.38	0.20	3.940	2.830	4.020									
2001	135	23	86	789.227	-1101.058	D	8.475	8.435	0.040	50.46	47.03	0.30	0.86		
	0.26	1.08	0.00	3.940	2.830	4.020									
2001	136	23	120	785.506	-1068.610	D	8.438	8.435	0.003	85.91	11.00	0.36	1.06		
	0.32	1.33	0.00	3.940	2.830	4.020									
2001	137	23	103	791.502	-1081.181	D	8.435	8.435	0.000	93.27	1.68	0.00	0.65		
	0.20	0.81	0.00	3.940	2.830	4.020									
2001	138	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2001	139	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2001	140	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2001	141	23	81	777.710	-1118.013	D	8.445	8.435	0.010	51.51	39.78	0.75	2.18		
	0.66	2.73	2.38	3.940	2.830	4.020									
2001	142	23	81	777.710	-1118.013	D	8.436	8.435	0.000	79.06	16.07	0.49	1.71		
	0.51	2.13	0.00	3.940	2.830	4.020									
2001	143	23	120	785.506	-1068.610	D	8.471	8.435	0.036	67.14	28.12	0.56	1.63		
	0.49	2.05	0.01	3.940	2.830	4.020									
2001	144	23	81	777.710	-1118.013	D	8.503	8.435	0.068	76.25	14.51	1.06	3.08		
	0.93	3.85	0.32	3.940	2.830	4.020									
2001	145	23	81	777.710	-1118.013	D	8.507	8.435	0.071	70.67	24.42	0.58	1.70		
	0.51	2.12	0.00	3.940	2.830	4.020									
2001	146	23	120	785.506	-1068.610	D	8.468	8.435	0.032	87.57	8.38	0.48	1.40		
	0.42	1.75	0.00	3.940	2.830	4.020									
2001	147	23	120	785.506	-1068.610	D	8.436	8.435	0.000	62.99	34.48	0.36	0.92		
	0.28	1.15	0.00	3.940	2.830	4.020									
2001	148	23	120	785.506	-1068.610	D	8.498	8.435	0.062	87.40	5.64	0.81	2.36		
	0.71	2.95	0.13	3.940	2.830	4.020									
2001	149	23	120	785.506	-1068.610	D	8.473	8.435	0.038	72.27	22.62	0.60	1.75		
	0.53	2.19	0.03	3.940	2.830	4.020									
2001	150	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2001	151	23	120	785.506	-1068.610	D	8.479	8.435	0.044	90.79	0.97	0.96	2.80		
	0.84	3.50	0.14	3.940	2.830	4.020									
2001	152	23	81	777.710	-1118.013	D	8.533	8.519	0.014	64.21	29.23	0.77	2.26		
	0.68	2.82	0.04	4.120	2.940	4.210									

2001	153	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2001	154	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2001	155	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2001	156	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2001	157	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2001	158	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2001	159	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2001	160	23	81	777.710	-1118.013	D	8.519	8.519	0.000	86.06	12.62	0.00	0.00		
	0.00	0.00	0.01	4.120	2.940	4.210									
2001	161	23	81	777.710	-1118.013	D	8.566	8.519	0.046	83.78	9.26	0.50	1.45	0.44	
	1.81	2.76	4.120	2.940	4.210										
2001	162	23	87	789.783	-1098.197	D	8.546	8.519	0.026	68.65	27.88	0.40	1.16		
	0.35	1.45	0.10	4.120	2.940	4.210									
2001	163	23	120	785.506	-1068.610	D	8.522	8.519	0.002	84.76	13.62	0.19	0.56		
	0.17	0.70	0.00	4.120	2.940	4.210									
2001	164	23	105	791.418	-1080.252	D	8.519	8.519	0.000	87.50	3.12	0.00	0.02		
	0.00	0.02	0.00	4.120	2.940	4.210									
2001	165	23	120	785.506	-1068.610	D	8.520	8.519	0.000	81.10	13.82	0.56	1.74		
	0.52	2.17	0.00	4.120	2.940	4.210									
2001	166	23	81	777.710	-1118.013	D	8.595	8.519	0.076	37.28	58.14	0.48	1.39		
	0.42	1.74	0.54	4.120	2.940	4.210									
2001	167	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2001	168	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2001	169	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2001	170	23	120	785.506	-1068.610	D	8.538	8.519	0.018	96.34	1.79	0.22	0.65		
	0.19	0.81	0.00	4.120	2.940	4.210									
2001	171	23	120	785.506	-1068.610	D	8.547	8.519	0.028	77.04	18.44	0.52	1.52		
	0.46	1.91	0.11	4.120	2.940	4.210									
2001	172	23	97	791.921	-1085.827	D	8.603	8.519	0.084	83.21	10.77	0.68	1.99		
	0.60	2.49	0.25	4.120	2.940	4.210									
2001	173	23	82	779.971	-1115.939	D	8.572	8.519	0.052	66.17	29.67	0.49	1.43		
	0.43	1.78	0.03	4.120	2.940	4.210									
2001	174	23	81	777.710	-1118.013	D	8.520	8.519	0.000	91.98	6.97	0.14	0.38	0.11	
	0.48	0.00	4.120	2.940	4.210										
2001	175	23	81	777.710	-1118.013	D	8.520	8.519	0.000	88.84	9.90	0.16	0.46	0.14	
	0.57	0.00	4.120	2.940	4.210										
2001	176	23	81	777.710	-1118.013	D	8.520	8.519	0.000	90.37	7.85	0.21	0.61	0.18	
	0.77	0.00	4.120	2.940	4.210										
2001	177	23	81	777.710	-1118.013	D	8.520	8.519	0.000	83.37	15.23	0.19	0.41		
	0.12	0.51	0.00	4.120	2.940	4.210									
2001	178	23	120	785.506	-1068.610	D	8.527	8.519	0.008	87.67	9.61	0.32	0.94		
	0.28	1.17	0.00	4.120	2.940	4.210									
2001	179	23	120	785.506	-1068.610	D	8.532	8.519	0.012	77.92	20.22	0.22	0.64		
	0.19	0.80	0.00	4.120	2.940	4.210									
2001	180	23	120	785.506	-1068.610	D	8.521	8.519	0.002	73.50	25.35	0.13	0.40		
	0.12	0.49	0.00	4.120	2.940	4.210									

2001	181	23	120	785.506	-1068.610	D	8.520	8.519	0.000	92.70	6.26	0.12	0.32
	0.10	0.40	0.00	4.120	2.940	4.210							
2001	182	23	120	785.506	-1068.610	D	8.644	8.643	0.001	94.12	5.04	0.09	0.28
	0.08	0.35	0.00	4.410	3.100	4.440							
2001	183	23	120	785.506	-1068.610	D	8.643	8.643	0.000	94.58	4.81	0.11	0.24
	0.07	0.30	0.00	4.410	3.100	4.440							
2001	184	23	120	785.506	-1068.610	D	8.671	8.643	0.028	38.44	59.28	0.27	0.79
	0.24	0.98	0.00	4.410	3.100	4.440							
2001	185	23	120	785.506	-1068.610	D	8.886	8.643	0.243	52.49	44.40	0.34	1.00
	0.30	1.25	0.21	4.410	3.100	4.440							
2001	186	23	87	789.783	-1098.197	D	8.779	8.643	0.136	71.71	25.47	0.32	0.93
	0.28	1.17	0.11	4.410	3.100	4.440							
2001	187	23	120	785.506	-1068.610	D	8.697	8.643	0.054	78.17	19.16	0.32	0.92
	0.28	1.15	0.00	4.410	3.100	4.440							
2001	188	23	120	785.506	-1068.610	D	8.659	8.643	0.016	93.30	4.30	0.28	0.83
	0.25	1.04	0.00	4.410	3.100	4.440							
2001	189	23	81	777.710	-1118.013	D	8.701	8.643	0.058	92.23	4.23	0.42	1.22
	1.52	0.01	4.410	3.100	4.440								0.37
2001	190	23	81	777.710	-1118.013	D	8.765	8.643	0.122	51.54	37.68	0.77	2.24
	0.68	2.81	4.28	4.410	3.100	4.440							
2001	191	23	81	777.710	-1118.013	D	8.741	8.643	0.098	59.25	25.83	1.08	3.15
	0.95	3.94	5.81	4.410	3.100	4.440							
2001	192	23	81	777.710	-1118.013	D	8.684	8.643	0.041	72.91	20.35	0.55	1.61
	0.49	2.01	2.08	4.410	3.100	4.440							
2001	193	23	118	787.281	-1070.324	D	8.643	8.643	0.000	91.23	7.49	0.19	0.40
	0.12	0.50	0.00	4.410	3.100	4.440							
2001	194	23	81	777.710	-1118.013	D	8.643	8.643	0.000	87.50	3.12	0.00	0.07
	0.09	0.00	4.410	3.100	4.440								0.02
2001	195	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.410	3.100	4.440								0.00
2001	196	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.410	3.100	4.440								0.00
2001	197	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.410	3.100	4.440								0.00
2001	198	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.410	3.100	4.440								0.00
2001	199	23	85	785.607	-1106.067	D	8.643	8.643	0.000	50.00	0.00	0.00	0.42
	0.53	0.00	4.410	3.100	4.440								0.13
2001	200	23	120	785.506	-1068.610	D	8.707	8.643	0.064	89.25	4.15	0.77	2.24
	0.68	2.80	0.11	4.410	3.100	4.440							
2001	201	23	81	777.710	-1118.013	D	8.742	8.643	0.099	71.09	23.47	0.58	1.70
	0.51	2.12	0.52	4.410	3.100	4.440							
2001	202	23	81	777.710	-1118.013	D	8.647	8.643	0.004	89.62	8.13	0.27	0.78
	0.97	0.00	4.410	3.100	4.440								0.23
2001	203	23	81	777.710	-1118.013	D	8.643	8.643	0.000	96.63	1.47	0.22	0.64
	0.80	0.00	4.410	3.100	4.440								0.19
2001	204	23	81	777.710	-1118.013	D	8.644	8.643	0.001	90.42	5.05	0.55	1.54
	1.93	0.00	4.410	3.100	4.440								0.47
2001	205	23	81	777.710	-1118.013	D	8.646	8.643	0.003	86.65	9.15	0.50	1.45
	1.82	0.00	4.410	3.100	4.440								0.44
2001	206	23	118	787.281	-1070.324	D	8.643	8.643	0.000	86.54	8.65	0.00	0.53
	0.16	0.66	0.00	4.410	3.100	4.440							
2001	207	23	81	777.710	-1118.013	D	8.643	8.643	0.000	87.50	0.00	0.00	0.21
	0.26	0.00	4.410	3.100	4.440								0.06
2001	208	23	119	786.393	-1069.467	D	8.643	8.643	0.000	94.79	2.08	0.00	0.47
	0.14	0.59	0.00	4.410	3.100	4.440							

2001	209	23	120	785.506	-1068.610	D	8.643	8.643	0.000	94.95	3.19	0.00	0.41
	0.12	0.51	0.00	4.410	3.100	4.440							
2001	210	23	120	785.506	-1068.610	D	8.646	8.643	0.003	90.02	5.53	0.53	1.53
	0.46	1.92	0.00	4.410	3.100	4.440							
2001	211	23	120	785.506	-1068.610	D	8.752	8.643	0.110	65.40	31.29	0.39	1.14
	0.34	1.42	0.01	4.410	3.100	4.440							
2001	212	23	81	777.710	-1118.013	D	8.656	8.643	0.014	67.60	29.79	0.31	0.90
	0.27	1.12	0.01	4.410	3.100	4.440							
2001	213	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2001	214	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2001	215	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2001	216	23	81	777.710	-1118.013	D	8.626	8.622	0.004	35.57	62.45	0.23	0.69
	0.21	0.86	0.00	4.370	3.070	4.380							
2001	217	23	81	777.710	-1118.013	D	8.639	8.622	0.017	64.90	33.13	0.23	0.68
	0.20	0.85	0.00	4.370	3.070	4.380							
2001	218	23	120	785.506	-1068.610	D	8.623	8.622	0.001	94.91	3.76	0.17	0.47
	0.14	0.59	0.00	4.370	3.070	4.380							
2001	219	23	120	785.506	-1068.610	D	8.625	8.622	0.003	55.79	28.74	0.07	0.21
	0.06	0.26	14.87	4.370	3.070	4.380							
2001	220	23	120	785.506	-1068.610	D	8.636	8.622	0.014	64.86	27.01	0.35	1.01
	0.30	1.26	5.22	4.370	3.070	4.380							
2001	221	23	120	785.506	-1068.610	D	8.639	8.622	0.017	83.09	10.00	0.76	2.20
	0.66	2.75	0.54	4.370	3.070	4.380							
2001	222	23	120	785.506	-1068.610	D	8.737	8.622	0.115	41.44	54.57	0.37	1.07
	0.32	1.34	0.89	4.370	3.070	4.380							
2001	223	23	120	785.506	-1068.610	D	8.662	8.622	0.040	53.74	40.33	0.29	0.86
	0.26	1.07	3.45	4.370	3.070	4.380							
2001	224	23	86	789.227	-1101.058	D	8.809	8.622	0.187	64.57	30.48	0.51	1.48
	0.45	1.85	0.67	4.370	3.070	4.380							
2001	225	23	81	777.710	-1118.013	D	8.795	8.622	0.173	67.14	29.14	0.39	1.14
	0.34	1.43	0.40	4.370	3.070	4.380							
2001	226	23	81	777.710	-1118.013	D	8.635	8.622	0.013	75.98	21.29	0.31	0.92
	0.28	1.15	0.06	4.370	3.070	4.380							
2001	227	23	120	785.506	-1068.610	D	8.693	8.622	0.071	60.48	37.16	0.28	0.81
	0.24	1.01	0.02	4.370	3.070	4.380							
2001	228	23	82	779.971	-1115.939	D	9.035	8.622	0.413	57.12	33.83	0.71	2.06
	0.62	2.57	3.09	4.370	3.070	4.380							
2001	229	23	81	777.710	-1118.013	D	9.030	8.622	0.408	74.81	16.03	0.86	2.51
	0.76	3.14	1.89	4.370	3.070	4.380							
2001	230	23	81	777.710	-1118.013	D	8.748	8.622	0.126	69.22	26.13	0.54	1.56
	0.47	1.95	0.13	4.370	3.070	4.380							
2001	231	23	81	777.710	-1118.013	D	8.677	8.622	0.055	76.07	19.62	0.49	1.43
	0.43	1.78	0.18	4.370	3.070	4.380							
2001	232	23	81	777.710	-1118.013	D	8.624	8.622	0.002	59.95	38.61	0.17	0.49
	0.15	0.61	0.01	4.370	3.070	4.380							
2001	233	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2001	234	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2001	235	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2001	236	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								

2001	237	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380										
2001	238	23	86	789.227	-1101.058	D	8.659	8.622	0.037	69.94	27.68	0.26	0.75		
	0.23	0.94	0.20	4.370	3.070	4.380									
2001	239	23	120	785.506	-1068.610	D	8.645	8.622	0.023	64.26	34.15	0.13	0.36		
	0.11	0.46	0.54	4.370	3.070	4.380									
2001	240	23	120	785.506	-1068.610	D	8.633	8.622	0.011	74.91	24.32	0.07	0.20		
	0.06	0.25	0.19	4.370	3.070	4.380									
2001	241	23	119	786.393	-1069.467	D	8.622	8.622	0.000	89.37	9.91	0.00	0.06		
	0.02	0.08	0.01	4.370	3.070	4.380									
2001	242	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380										
2001	243	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380										
2001	244	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230										
2001	245	23	120	785.506	-1068.610	D	8.542	8.541	0.000	83.67	12.08	0.25	0.84		
	0.25	1.05	1.92	4.180	2.970	4.230									
2001	246	23	120	785.506	-1068.610	D	8.589	8.541	0.048	61.14	37.24	0.12	0.35		
	0.10	0.43	0.62	4.180	2.970	4.230									
2001	247	23	81	777.710	-1118.013	D	8.572	8.541	0.031	64.35	35.01	0.06	0.17		
	0.05	0.21	0.15	4.180	2.970	4.230									
2001	248	23	81	777.710	-1118.013	D	8.544	8.541	0.003	64.12	35.66	0.02	0.08		
	0.02	0.10	0.01	4.180	2.970	4.230									
2001	249	23	120	785.506	-1068.610	D	8.541	8.541	0.000	86.18	13.78	0.00	0.01		
	0.00	0.02	0.00	4.180	2.970	4.230									
2001	250	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230										
2001	251	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230										
2001	252	23	120	785.506	-1068.610	D	8.541	8.541	0.000	69.20	29.24	0.00	0.02		
	0.00	0.02	0.01	4.180	2.970	4.230									
2001	253	23	120	785.506	-1068.610	D	8.541	8.541	0.000	50.34	49.14	0.00	0.01		
	0.00	0.02	0.00	4.180	2.970	4.230									
2001	254	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230										
2001	255	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230										
2001	256	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230										
2001	257	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230										
2001	258	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230										
2001	259	23	120	785.506	-1068.610	D	8.629	8.541	0.088	79.15	16.78	0.48	1.41		
	0.42	1.76	0.00	4.180	2.970	4.230									
2001	260	23	120	785.506	-1068.610	D	8.543	8.541	0.002	40.23	58.49	0.15	0.44		
	0.13	0.55	0.00	4.180	2.970	4.230									
2001	261	23	120	785.506	-1068.610	D	8.542	8.541	0.000	78.03	17.96	0.48	1.34		
	0.40	1.68	0.22	4.180	2.970	4.230									
2001	262	23	81	777.710	-1118.013	D	8.589	8.541	0.048	66.92	28.36	0.48	1.41		
	0.42	1.76	0.65	4.180	2.970	4.230									
2001	263	23	81	777.710	-1118.013	D	8.669	8.541	0.128	64.76	31.65	0.42	1.23		
	0.37	1.55	0.02	4.180	2.970	4.230									
2001	264	23	81	777.710	-1118.013	D	8.552	8.541	0.011	51.31	46.42	0.27	0.78		
	0.24	0.98	0.00	4.180	2.970	4.230									

2001	265	23	81	777.710	-1118.013	D	8.541	8.541	0.000	84.21	11.84	0.00	0.56
	0.17	0.71	0.00	4.180	2.970	4.230							
2001	266	23	81	777.710	-1118.013	D	8.541	8.541	0.000	85.29	15.81	0.00	0.60
	0.18	0.75	0.00	4.180	2.970	4.230							
2001	267	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2001	268	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2001	269	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2001	270	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2001	271	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2001	272	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2001	273	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2001	274	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	275	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	276	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	277	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	278	23	120	785.506	-1068.610	D	8.427	8.425	0.003	38.72	56.34	0.10	0.28
	0.09	0.35	4.12	3.920	2.820	3.990							
2001	279	23	81	777.710	-1118.013	D	8.425	8.425	0.000	56.54	41.06	0.00	0.08
	0.02	0.10	2.57	3.920	2.820	3.990							
2001	280	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	281	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	282	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	283	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	284	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	285	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	286	23	87	789.783	-1098.197	D	8.492	8.425	0.067	22.55	68.37	0.61	1.76
	0.53	2.21	3.97	3.920	2.820	3.990							
2001	287	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	288	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	289	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	290	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	291	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								
2001	292	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.920	2.820	3.990								

2001	293	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2001	294	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2001	295	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2001	296	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2001	297	23	99	792.559	-1083.896	D	8.433	8.425	0.009	36.60	48.18	1.12	3.27		
0.99 4.09 5.76 3.920 2.820 3.990															
2001	298	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2001	299	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2001	300	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2001	301	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2001	302	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2001	303	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2001	304	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2001	305	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010															
2001	306	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010															
2001	307	23	81	777.710	-1118.013	D	8.431	8.431	0.000	62.50	0.00	0.00	0.36	0.11	
0.45 0.00 3.930 2.830 4.010															
2001	308	23	81	777.710	-1118.013	D	8.431	8.431	0.000	83.33	5.21	0.00	0.48	0.15	
0.61 0.00 3.930 2.830 4.010															
2001	309	23	81	777.710	-1118.013	D	8.431	8.431	0.000	81.25	5.47	0.00	0.45	0.14	
0.56 0.00 3.930 2.830 4.010															
2001	310	23	81	777.710	-1118.013	D	8.431	8.431	0.000	100.00	6.25	0.00	0.52		
0.16 0.65 0.00 3.930 2.830 4.010															
2001	311	23	120	785.506	-1068.610	D	8.453	8.431	0.022	46.11	51.41	0.29	0.85		
0.26 1.07 0.00 3.930 2.830 4.010															
2001	312	23	86	789.227	-1101.058	D	8.505	8.431	0.074	46.62	51.02	0.28	0.82		
0.25 1.02 0.00 3.930 2.830 4.010															
2001	313	23	81	777.710	-1118.013	D	8.432	8.431	0.001	71.76	25.58	0.32	0.92		
0.28 1.16 0.00 3.930 2.830 4.010															
2001	314	23	86	789.227	-1101.058	D	8.436	8.431	0.005	70.28	26.29	0.41	1.18		
0.36 1.48 0.00 3.930 2.830 4.010															
2001	315	23	87	789.783	-1098.197	D	8.436	8.431	0.005	63.31	33.35	0.39	1.15		
0.35 1.44 0.00 3.930 2.830 4.010															
2001	316	23	81	777.710	-1118.013	D	8.432	8.431	0.001	78.81	17.28	0.46	1.36		
0.41 1.70 0.00 3.930 2.830 4.010															
2001	317	23	81	777.710	-1118.013	D	8.431	8.431	0.000	81.96	13.95	0.47	1.37		
0.41 1.71 0.00 3.930 2.830 4.010															
2001	318	23	97	791.921	-1085.827	D	8.431	8.431	0.000	81.25	10.55	0.00	0.82		
0.25 1.02 0.00 3.930 2.830 4.010															
2001	319	23	81	777.710	-1118.013	D	8.431	8.431	0.000	75.00	10.94	0.00	0.69		
0.21 0.86 0.00 3.930 2.830 4.010															
2001	320	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010															

2001	321	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00										
				3.930	2.830										
2001	322	23	120	785.506	-1068.610	D	8.432	8.431	0.001	43.62	53.85	0.30	0.88		
				0.27	1.10										
				0.00	3.930										
2001	323	23	120	785.506	-1068.610	D	8.474	8.431	0.043	43.97	53.61	0.29	0.84		
				0.25	1.05										
				0.00	3.930										
2001	324	23	81	777.710	-1118.013	D	8.434	8.431	0.003	67.59	29.54	0.34	1.00		
				0.30	1.25										
				0.00	3.930										
2001	325	23	87	789.783	-1098.197	D	8.440	8.431	0.009	54.44	43.40	0.26	0.75		
				0.22	0.93										
				0.00	3.930										
2001	326	23	120	785.506	-1068.610	D	8.432	8.431	0.001	59.77	37.96	0.27	0.77		
				0.23	0.97										
				0.00	3.930										
2001	327	23	120	785.506	-1068.610	D	8.431	8.431	0.000	38.45	52.87	0.61	1.83		
				0.55	2.29										
				3.47	3.930										
2001	328	23	81	777.710	-1118.013	D	8.453	8.431	0.022	57.31	31.80	0.84	2.44		
				0.74	3.05										
				3.81	3.930										
2001	329	23	120	785.506	-1068.610	D	8.431	8.431	0.000	44.64	52.17	0.51	1.19		
				0.36	1.49										
				0.08	3.930										
2001	330	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00										
				3.930	2.830										
2001	331	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00										
				3.930	2.830										
2001	332	23	120	785.506	-1068.610	D	8.454	8.431	0.023	45.78	38.69	0.68	1.99		
				0.60	2.49										
				9.77	3.930										
2001	333	23	81	777.710	-1118.013	D	8.447	8.431	0.016	19.62	70.91	0.63	1.83		
				0.55	2.29										
				4.17	3.930										
2001	334	23	81	777.710	-1118.013	D	8.431	8.431	0.001	31.54	63.38	0.50	1.48		
				0.45	1.85										
				0.74	3.930										
2001	335	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00										
				4.060	2.900										
2001	336	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00										
				4.060	2.900										
2001	337	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00										
				4.060	2.900										
2001	338	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00										
				4.060	2.900										
2001	339	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00										
				4.060	2.900										
2001	340	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00										
				4.060	2.900										
2001	341	23	120	785.506	-1068.610	D	8.525	8.486	0.039	51.66	44.59	0.44	1.28		
				0.39	1.61										
				0.03	4.060										
2001	342	23	81	777.710	-1118.013	D	8.560	8.486	0.074	51.38	45.12	0.41	1.20		
				0.36	1.50										
				0.04	4.060										
2001	343	23	81	777.710	-1118.013	D	8.486	8.486	0.000	50.93	46.99	0.46	0.96		
				0.29	1.20										
				0.01	4.060										
2001	344	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00										
				4.060	2.900										
2001	345	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00										
				4.060	2.900										
2001	346	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	118.75	0.00	0.00		
				0.00	0.00										
				8.85	4.060										
2001	347	23	81	777.710	-1118.013	D	8.507	8.486	0.020	20.30	69.44	0.65	1.89		
				0.57	2.37										
				4.78	4.060										
2001	348	23	81	777.710	-1118.013	D	8.489	8.486	0.003	26.55	70.97	0.27	0.80		
				0.24	1.00										
				0.15	4.060										

2001	349	23	96	792.004	-1086.756	D	8.486	8.486	0.000	4.17	79.17	0.00	0.00	0.00
0.00	0.03	4.060	2.900	4.110										
2001	350	23	87	789.783	-1098.197	D	8.492	8.486	0.005	17.71	74.28	0.01	0.04	
0.01	0.05	7.90	4.060	2.900	4.110									
2001	351	23	87	789.783	-1098.197	D	8.487	8.486	0.000	24.71	75.03	0.00	0.03	
0.01	0.03	0.24	4.060	2.900	4.110									
2001	352	23	120	785.506	-1068.610	D	8.824	8.486	0.338	31.08	62.31	0.53	1.55	
0.47	1.94	2.12	4.060	2.900	4.110									
2001	353	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110										
2001	354	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110										
2001	355	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110										
2001	356	23	81	777.710	-1118.013	D	8.514	8.486	0.028	33.11	63.94	0.17	0.50	
0.15	0.62	1.51	4.060	2.900	4.110									
2001	357	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110										
2001	358	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110										
2001	359	23	81	777.710	-1118.013	D	8.511	8.486	0.024	39.88	54.28	0.64	1.87	
0.56	2.34	0.42	4.060	2.900	4.110									
2001	360	23	81	777.710	-1118.013	D	8.497	8.486	0.010	18.82	78.21	0.33	0.97	
0.29	1.21	0.16	4.060	2.900	4.110									
2001	361	23	81	777.710	-1118.013	D	8.685	8.486	0.198	22.97	73.97	0.35	1.01	
0.30	1.26	0.15	4.060	2.900	4.110									
2001	362	23	120	785.506	-1068.610	D	8.913	8.486	0.426	32.43	65.17	0.25	0.74	
0.22	0.92	0.26	4.060	2.900	4.110									
2001	363	23	81	777.710	-1118.013	D	8.491	8.486	0.005	48.77	49.32	0.22	0.66	
0.20	0.82	0.01	4.060	2.900	4.110									

--- Ranked Daily Visibility Change ---

START TIME	% of Modeled Extinction by Species													
Small Large SSalt														
YEAR DAY HR RECEPTOR	COORDINATES (km)					TYPE	DV(Total)	DV(BKG)	DELTA	DV	%_SO4			
%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)						
2001	4	23	81	777.710	-1118.013	D	9.179	8.491	0.688	33.23	62.34	0.41	1.18	0.36
1.48	1.00	4.080	2.910	4.100	1									
2001	362	23	120	785.506	-1068.610	D	8.913	8.486	0.426	32.43	65.17	0.25	0.74	
0.22	0.92	0.26	4.060	2.900	4.110	2								
2001	228	23	82	779.971	-1115.939	D	9.035	8.622	0.413	57.12	33.83	0.71	2.06	
0.62	2.57	3.09	4.370	3.070	4.380	3								
2001	229	23	81	777.710	-1118.013	D	9.030	8.622	0.408	74.81	16.03	0.86	2.51	
0.76	3.14	1.89	4.370	3.070	4.380	4								
2001	352	23	120	785.506	-1068.610	D	8.824	8.486	0.338	31.08	62.31	0.53	1.55	
0.47	1.94	2.12	4.060	2.900	4.110	5								
2001	59	23	120	785.506	-1068.610	D	8.644	8.379	0.266	41.04	55.69	0.26	0.74	
0.22	0.93	1.12	3.820	2.760	3.890	6								
2001	52	23	81	777.710	-1118.013	D	8.625	8.379	0.246	54.84	40.83	0.46	1.33	0.40
1.66	0.47	3.820	2.760	3.890	7									
2001	185	23	120	785.506	-1068.610	D	8.886	8.643	0.243	52.49	44.40	0.34	1.00	
0.30	1.25	0.21	4.410	3.100	4.440	8								
2001	73	23	87	789.783	-1098.197	D	8.602	8.366	0.236	32.07	63.39	0.34	1.00	0.30
1.25	1.65	3.790	2.740	3.870	9									
2001	361	23	81	777.710	-1118.013	D	8.685	8.486	0.198	22.97	73.97	0.35	1.01	

0.30	1.26	0.15	4.060	2.900	4.110	10													
2001	10	23	85	785.607	-1106.067	D	8.682	8.491	0.191	42.16	54.17	0.36	1.05	0.32					
1.31	0.64	4.080	2.910	4.100	11														
2001	224	23	86	789.227	-1101.058	D	8.809	8.622	0.187	64.57	30.48	0.51	1.48						
0.45	1.85	0.67	4.370	3.070	4.380	12													
2001	225	23	81	777.710	-1118.013	D	8.795	8.622	0.173	67.14	29.14	0.39	1.14						
0.34	1.43	0.40	4.370	3.070	4.380	13													
2001	134	23	81	777.710	-1118.013	D	8.589	8.435	0.153	35.33	61.28	0.38	1.10						
0.33	1.38	0.20	3.940	2.830	4.020	14													
2001	88	23	87	789.783	-1098.197	D	8.518	8.366	0.152	34.28	60.49	0.40	1.17	0.35					
1.47	1.83	3.790	2.740	3.870	15														
2001	132	23	81	777.710	-1118.013	D	8.577	8.435	0.142	59.66	37.80	0.30	0.88						
0.26	1.10	0.00	3.940	2.830	4.020	16													
2001	186	23	87	789.783	-1098.197	D	8.779	8.643	0.136	71.71	25.47	0.32	0.93						
0.28	1.17	0.11	4.410	3.100	4.440	17													
2001	34	23	81	777.710	-1118.013	D	8.509	8.379	0.131	20.76	76.08	0.30	0.87	0.26					
1.09	0.62	3.820	2.760	3.890	18														
2001	263	23	81	777.710	-1118.013	D	8.669	8.541	0.128	64.76	31.65	0.42	1.23						
0.37	1.55	0.02	4.180	2.970	4.230	19													
2001	230	23	81	777.710	-1118.013	D	8.748	8.622	0.126	69.22	26.13	0.54	1.56						
0.47	1.95	0.13	4.370	3.070	4.380	20													
2001	190	23	81	777.710	-1118.013	D	8.765	8.643	0.122	51.54	37.68	0.77	2.24						
0.68	2.81	4.28	4.410	3.100	4.440	21													
2001	222	23	120	785.506	-1068.610	D	8.737	8.622	0.115	41.44	54.57	0.37	1.07						
0.32	1.34	0.89	4.370	3.070	4.380	22													

--- Number of days with Delta-Deciview => 0.50: 1
 --- Number of days with Delta-Deciview => 1.00: 0
 --- Largest Delta-Deciview = 0.688

 CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(deciview)

RECEPTOR COORDINATES (km) TYPE DV(Total) DV(BKG) DELTA DV

81 777.710 -1118.013 D 8.495 8.475 0.020

--- Number of recs with Delta-Deciview > 0.10: 0
 --- Largest Delta-Deciview = 0.020